

Qy	61	GTGTTACTTTAGCTCTGGAGTTGTGAAAGTGCTGTGTGGGCGCGAGAATACAGCC	120
Db	60	GTGTTACTTTAGCTCTGGAGTTGTGAAAGTGCTGTGTGGGCGCGAGAATACAGCC	119
Qy	121	ATTGGATGAATATGAAGACAATCTGAAAGCTTGTTCAGAGAGGTTCATGAGTGACTG	180
Db	120	ATTGGATGAATATGAAGACAATCTGAAAGAGCTTGTTCAGAGAGGTTCATGAGTGACTG	179
Qy	181	TACTGGCATCTCAGCTTCCATCTCTTTTGCATCCCAATGATGCATCCACTCTTAAATTTG	240
Db	180	TACTGGCATCTCAGCTTCCATCTCTTTTGCATCCCAATGATGCATCCACTCTTAAATTTG	239
Qy	241	AAGTTTATCCCTACATCTTTAACTAAACCTGAAATTTGAGAATATCATCATCAACAGGTTA	300
Db	240	AAGTTTATCCCTACATCTTTAACTAAACCTGAAATTTGAGAATATCATCATCAACAGGTTA	299
Qy	301	AGAGATGGTCAGACATTTGAAAGATAGCTTTTGGTTATATTTTACAAGAACCAAGAAA	360
Db	300	AGAGATGGTCAGACATTTGAAAGATAGCTTTTGGTTATATTTTACAAGAACCAAGAAA	359
Qy	361	TCCTGTGGGAATTATATGACATATTTAGAAACTTCTGTAAGATGTAGTTTCAAAATAAGA	420
Db	360	TCCTGTGGGAATTATATGACATATTTAGAAACTTCTGTAAGATGTAGTTTCAAAATAAGA	419
Qy	421	AAGTTATGAAAAAACAACAAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTGTTTTTC	480
Db	420	AAGTTATGAAAAAACAACAAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTGTTTTTC	479
Qy	481	CTGTGTGAGCTGCTGGCTGGCTACTTAAACATACAGTTTGTGTACAGTCTCGGCTTTA	540
Db	480	CTGTGTGAGCTGCTGGCTGGCTACTTAAACATACAGTTTGTGTACAGTCTCGGCTTTA	539
Qy	541	CTCTGTGCTACAAATTTGAAAGGCACAGTGAGGAGCTGATTTTCCCTCTCTTACATAC	600
Db	540	CTCTGTGCTACAAATTTGAAAGGCACAGTGAGGAGCTGATTTTCCCTCTCTTACATAC	599
Qy	601	CTATTTGTTATGTCAAAATTTAAGTGATCAAAATGACTTTTCATGGAGGGTAAAAAATGA	660
Db	600	CTATTTGTTATGTCAAAATTTAAGTGATCAAAATGACTTTTCATGGAGGGTAAAAAATGA	659
Qy	661	TCATATGCTTTATTTTGAACCTTTTGGTTCCAAATGTCTGATATGAAGAATGGATCAGT	720
Db	660	TCATATGCTTTATTTTGAACCTTTTGGTTCCAAATGTCTGATATGAAGAATGGATCAGT	719
Qy	721	TTTACAGTGAAGTTTATAGGAAGACCCACTACTTTATTTAGACAATGGGAAAAGCTGACA	780
Db	720	TTTACAGTGAAGTTTATAGGAAGACCCACTACTTTATTTAGACAATGGGAAAAGCTGACA	779
Qy	781	TATGGCTTATCGGAACTCCTGGAGTTTCAATTTCTCATCCATTTTACCAACGTTG	840
Db	780	TATGGCTTATCGGAACTCCTGGAGTTTCAATTTCTCATCCATTTTACCAACGTTG	839
Qy	841	ATTTTGTGGAGGATTCACCTGGCAAACTCGCAACCCCTACCTAAGGAATGGAGGAG	900
Db	840	ATTTTGTGGAGGATTCACCTGGCAAACTCGCAACCCCTACCTAAGGAATGGAGGAG	899
Qy	901	TTTGTACAGAGCTCTGAGAAAATGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	960
Db	900	TTTGTACAGAGCTCTGAGAAAATGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	959
Qy	961	AACATGACAGAAAAGGGCCAAATGTAATTTGCAACAGCCCTTGGCAAGATCCCAACAAAG	1019
Db	960	AACATGACAGAAAAGGGCCAAATGTAATTTGCAACAGCCCTTGGCAAGATCCCAACAAAG	1019
Qy	1021	GTTCTGTGGAGATTTGATGGGAATAAACAGATGCTTTAGTCTCAATACTCGGCTGTAT	1080
Db	1020	GTTCTGTGGAGATTTGATGGGAATAAACAGATGCTTTAGTCTCAATACTCGGCTGTAT	1079
Qy	1081	AAGTGGATACCCCAAGATGACCTTCTAGGTTCATCCAAAAACACAGAGCTTTTATAACTCAT	1140
Db	1080	AAGTGGATACCCCAAGATGACCTTCTAGGTTCATCCAAAAACACAGAGCTTTTATAACTCAT	1139
Qy	1141	GGTGGAGCCAATGGCATCTATAGGCAATCTACCATGGGATCCCTATGGTGGGCAATCCCA	1200

Db	1140	GGTGGAGCCAATGGCATCTATGAGCAATCTACCATGGATCCCTATGGTGGGCAATTCCTCA	1199
Qy	1201	TTGTTTGGGATCAAACTGATTAACATTGCTCACATGAAGCCCAAGGAGCAGCTGTTAGA	1260
Db	1200	TTGTTTGGGATCAAACTGATTAACATTGCTCACATGAAGCCCAAGGAGCAGCTGTTAGA	1259
Qy	1261	TTGGAGCTTCAACAATGTGAGTACAGACCTCTGCTGAATGCATGCAAGAGACAGTAATTAAT	1320
Db	1260	TTGGAGCTTCAACAATGTGAGTACAGACCTCTGCTGAATGCATGCAAGAGACAGTAATTAAT	1319
Qy	1321	GATCCTTTATATAAAGAGAATATTAAGAAATTAAGAAATTAAGAAATTAAGAAATTAAGAA	1380
Db	1320	GATCCTTTATATAAAGAGAATATTAAGAAATTAAGAAATTAAGAAATTAAGAAATTAAGAA	1379
Qy	1381	AAGCCCTCTGATCGAGCAGCTCTCTGATTTGATTTGTCATGCCCCCAAAAGGAGCCAAA	1440
Db	1380	AAGCCCTCTGATCGAGCAGCTCTCTGATTTGATTTGTCATGCCCCCAAAAGGAGCCAAA	1439
Qy	1441	CACCTTCGAGTTTCAGCCCATGACCTCACCTGGTTCCAGTACCACCTCTTTGGATGTGATT	1500
Db	1440	CACCTTCGAGTTTCAGCCCATGACCTCACCTGGTTCCAGTACCACCTCTTTGGATGTGATT	1499
Qy	1501	GGTTTCTGCTGGCCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGCTTT	1560
Db	1500	GGTTTCTGCTGGCCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGCTTT	1559
Qy	1561	TGTTTCTGGAAGTTTCTAGAAAAGGGAAGAAAGAGATTTAGTTATGTCTGCACA	1620
Db	1560	TGTTTCTGGAAGTTTCTAGAAAAGGGAAGAAAGAGATTTAGTTATGTCTGCACA	1619
Qy	1621	TTTGAAGCTGGAACCAACAGATAGTAGGACAACTTCAGTTTATTTCCAGCAAGAAAGAAA	1680
Db	1620	TTTGAAGCTGGAACCAACAGATAGTAGGACAACTTCAGTTTATTTCCAGCAAGAAAGAAA	1679
Qy	1681	GATTGTTATGCAAGATTTCTTCTCTCTGTGAC	1713
Db	1680	GATTGTTATGCAAGATTTCTTCTCTCTGTGAC	1712

RESULT 2

US-10-158-646-42
; Sequence 42, Application US/10158646
; Publication No. US20030073105A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy K.W.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0030-1 US
; CURRENT APPLICATION NUMBER: US/10/158,646
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: 60/295,239
; PRIOR FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO 42
; LENGTH: 1712
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030073105A1 480489.3
US-10-158-646-42

Query Match	98.9%	Score 1694.6	DB 14	Length 1712
Best Local Similarity	99.7%	Pred. No. 0		
Matches 1708	Conservative	0	Mismatches 4	Indels 1
				Gaps 1
Qy	1	ATCGCATTTGCACGAGATGACTCTGAAATGGACTTCAGTTCTTCTGCTGATACATCTCCA	60	
Db	1	ATCGCATTTGCACGAGATGACTCTGAAATGGACTTCAGTTCTTCTGCTGATACATCT-CA	59	
Qy	61	GTGTGTTACTTTAGCTCTGGAGTTTGTGAAAAGTGTGTTGTGGGCGCGAGAATACAGCC	120	

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Db      60 GTTGTACTTTAGCTCTGGAGTTGTGAAAGTGTCTGGTGGGCCGCAAAATACAGCC 119
Qy      121 ATTGATGAATATGAAGCAATCTCTGAAAGAGCTTGTTCAGAGAGGTTCATGAGGTGACTG 180
Db      120 ATTGATGAATATGAAGCAATCTCTGAAAGAGCTTGTTCAGAGAGGTTCATGAGGTGACTG 179
Qy      181 TACTGGCATCTTACGCTTCCATCTCTTTTGTGATCCCAATGATGCAATCTCTTAAATTTG 240
Db      180 TACTGGCATCTTACGCTTCCATCTCTTTTGTGATCCCAATGATGCAATCTCTTAAATTTG 239
Qy      241 AAGTTTATCTACATCTTTTAACTAAACTGTAATTTGAGAAATATCATCATGCAACAGGTTA 300
Db      240 AAGTTTATCTACATCTTTTAACTAAACTGTAATTTGAGAAATATCATCATGCAACAGGTTA 299
Qy      301 AGAGATGTCAGACATCTGAAAGAGATAGCTTTTGGTTATATTTTCAAGAAACAAAGAAA 360
Db      300 AGAGATGTCAGACATCTGAAAGAGATAGCTTTTGGTTATATTTTCAAGAAACAAAGAAA 359
Qy      361 TCCTGTGGGAATATATGACATATTTAGAACTTCTGTGAAAGATGATGTTTCAAAATAGA 420
Db      360 TCCTGTGGGAATATATGACATATTTAGAACTTCTGTGAAAGATGATGTTTCAAAATAGA 419
Qy      421 AAGTTATCAAAAACTACAAGAGTCAAGATTTGACATCGTTTTCAGATGCTGTTTTTC 480
Db      420 AAGTTATCAAAAACTACAAGAGTCAAGATTTGACATCGTTTTCAGATGCTGTTTTTC 479
Qy      481 CCTGTGTGAGTGTCTGCTGCTGCTACTTAACTACATCGTTTGTGACAGTCTCCGCTTTA 540
Db      480 CCTGTGTGAGTGTCTGCTGCTGCTACTTAACTACATCGTTTGTGACAGTCTCCGCTTTA 539
Qy      541 CTCCTGGCTACAAATGAAAGGACAGTGAAGAGTGAATTTTCCCTCTTCTTACATAC 600
Db      540 CTCCTGGCTACAAATGAAAGGACAGTGAAGAGTGAATTTTCCCTCTTCTTACATAC 599
Qy      601 CTATGTTATCTCAAAATTAAGTGAATCAAAATGACCTTTCATGAGAGGTGAAAAATATGA 660
Db      600 CTATGTTATCTCAAAATTAAGTGAATCAAAATGACCTTTCATGAGAGGTGAAAAATATGA 659
Qy      661 TCTATGCTCTTATTTTACCTTTTGGTTCCAAATGCTGTGATGATGAAGTGGGATCAGT 720
Db      660 TCTATGCTCTTATTTTACCTTTTGGTTCCAAATGCTGTGATGATGAAGTGGGATCAGT 719
Qy      721 TTTACAGTGAATTTTAGAAGACCCACTACTTATTTAGACAAATGGGAAAGCTGACA 780
Db      720 TTTACAGTGAATTTTAGAAGACCCACTACTTATTTAGACAAATGGGAAAGCTGACA 779
Qy      781 TATGCTTTATCGGAACCTCCTGGAGTTTTCATTTCCCTCATCTTCTTACCAACGTTG 840
Db      780 TATGCTTTATCGGAACCTCCTGGAGTTTTCATTTCCCTCATCTTCTTACCAACGTTG 839
Qy      841 ATTTTGTGGAGGATTCACCTGGCAACCTGCCAAACCCCTACCTAAGGAAATGGAGGAG 900
Db      840 ATTTTGTGGAGGATTCACCTGGCAACCTGCCAAACCCCTACCTAAGGAAATGGAGGAG 899
Qy      901 TTTGTACAGACTCTGGAGAAAATGGTGTGTTGTTGTTTCTCTGGGTCAAGTGAAGT 960
Db      900 TTTGTACAGACTCTGGAGAAAATGGTGTGTTGTTGTTTCTCTGGGTCAAGTGAAGT 959
Qy      961 AACATGACAGAAAAGGCCCAATGTAATTCGAACAGCCCTTGGCAAGATCCCAAAAAG 1020
Db      960 AACATGACAGAAAAGGCCCAATGTAATTCGAACAGCCCTTGGCAAGATCCCAAAAAG 1019
Qy      1021 GTTCTGTGGAGATTTGATGGGAATAAACAGATGCTTTAGTCTCAATACCTCGCTGTAT 1080
Db      1020 GTTCTGTGGAGATTTGATGGGAATAAACAGATGCTTTAGTCTCAATACCTCGCTGTAT 1079
Qy      1081 AAGTGGATACCCCAAGATGACCTTCTAGGTTCATCCAAAACAGAGCTTTTATAACTCAT 1140
Db      1080 AAGTGGATACCCCAAGATGACCTTCTAGGTTCATCCAAAACAGAGCTTTTATAACTCAT 1139
Qy      1141 GGTGAGCAATGGCATCTTATGAGCAATCTACCATGGGATCCCTATGGTGGGATTTCCA 1200

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Db      1140 GGTGAGCAATGGCATCTTATGAGCAATCTACCATGGGATCCCTATGGTGGGCAATCCA 1199
Qy      1201 TTGTTTTGGGATCAACCTGATAAATCTCTCACATGAAGGCCAAGGGAGCAGCTGTGTAGA 1260
Db      1200 TTGTTTTTGGATCAACCTGATAAATCTCTCACATGAAGGCCAAGGGAGCAGCTGTGTAGA 1259
Qy      1261 TTGACTTTCAACAATGTCGAGTACAGACCTGCTGTAATGCACTGCAAGACAGTAAATTAAT 1320
Db      1260 TTGACTTTCAACAATGTCGAGTACAGACCTGCTGTAATGCACTGCAAGACAGTAAATTAAT 1319
Qy      1321 GATCTTTTATATAAAGAGAAATATTATGAAATTTATCAAGAATTTCAACATGATCAACAGTA 1380
Db      1320 GATCTTTTATATAAAGAGAAATATTATGAAATTTATCAAGAATTTCAACATGATCAACAGTA 1379
Qy      1381 AAGCCCTTGGATCGAGCAGTCTTCTGGATTGAAATTTGTGATGCCCCCAAAAGGAGCCAAA 1440
Db      1380 AAGCCCTTGGATCGAGCAGTCTTCTGGATTGAAATTTGTGATGCCCCCAAAAGGAGCCAAA 1439
Qy      1441 CACCTTCGAGTTGAGGCCCATGACCTCCTCGGTTCCAGTACCACTCTTTGGATGTGATT 1500
Db      1440 CACCTTCGAGTTGAGGCCCATGACCTCCTCGGTTCCAGTACCACTCTTTGGATGTGATT 1499
Qy      1501 GGGTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1560
Db      1500 GGGTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1559
Qy      1561 TGTTCCTGGAAGTTTGTAGAAAAGGGAAGGGAAGGGAAGGGAAGGGAAGGGAAGGGAAGGGA 1620
Db      1560 TGTTCCTGGAAGTTTGTAGAAAAGGGAAGGGAAGGGAAGGGAAGGGAAGGGAAGGGAAGGGA 1619
Qy      1621 TTTGAAGCTGGAACCAAGATAGATAGACAACTTCAAGTTCAGTTTATTTCCAGCAAGAAAGAAA 1680
Db      1620 TTTGAAGCTGGAACCAAGATAGATAGACAACTTCAAGTTCAGTTTATTTCCAGCAAGAAAGAAA 1679
Qy      1681 GATTGTTATCGAAGATTTCTTCTTCTCTGTCGAC 1713
Db      1680 GATTGTTATCGAAGATTTCTTCTTCTCTGTCGAC 1712

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RESULT 3

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US-10-198-846-13134
; Sequence 13134, Application US/10198846
; Publication No. US20030099974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongvao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10198,846
; PRIOR FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13134
; LENGTH: 2844
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 2824, 2825, 2826, 2827, 2828, 2829, 2830, 2831, 2832, 2833,
; LOCATION: 2834, 2835, 2836, 2837, 2838, 2839, 2840, 2841, 2842, 2843,
; LOCATION: 2844
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-13134

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Query Match      91.7%; Score 1570.6; DB 14; Length 2844;
Best Local Similarity 96.4%; Pred. No. 0;
Matches 1628; Conservative 0; Mismatches 59; Indels 2; Gaps 2;

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Best Local Similarity 92.2%; Pred No. 0; Matches 1553; Conservative 0; Mismatches 126; Indels 5; Gaps 2;				
Qy	8	TGACACAGGATGACTCTGAAATGGACTTCAGTCTCTCTGCTGATACATCTCCAGTTGTTA	67	
Db	2	TGCACAAGGATGGCTCTGAAATGGACTACAGTCTCTGCTGATACAACT---CAGTTTTTA	57	
Qy	68	CTTTAGCTCTGGGAGTTGTGGAAAGTCTGGTGTGGGCGCAGAAATACAGCCATTGGAT	127	
Db	58	CTTTAGCTCTGGGAGTTGTGGAAAGTCTGGTGTGGGCGCAGAAATACAGCCATTGGAT	117	
Qy	128	GAATATCAAGACAATCTGAAAGAGCTTGTTCAGAGAGTTCATGAGGTGACTGTACTGGC	187	
Db	118	GAATATCAAGACAATCTGAAAGAACTTGTTCAGAGAGTTCATGAGGTGACTGTACTGGC	177	
Qy	188	ATCTTCAGCTTCCATTCTTTTGTATCCCAATGATGCATCTCTTAAATTTGAAGTTTA	247	
Db	178	ATCTTCAGCTTCCATTCTTTTGTATCCCAAGACTCATCACTCTTAAACTTGAAGTTTA	237	
Qy	248	TCCTACATCTTTAACTAAACTGAATTTGAGAAATATCATCATGCAACAGGTTAAGAGATG	307	
Db	238	TCCTACATCTTTAACTAAACTGAATTTGAGAAATATCATCATGCAATTTGGTTAAGAGATT	297	
Qy	308	GTACAGACATTCGAAAGATAGCTTTTGGTTATATTTTTCACAGAAACAAGAAATCCCTGTG	367	
Db	298	GTACAGAAATTCGAAAGATACATTTTGGTTACCTTTTTCACAGAAACAAGAAATCCCTGTG	357	
Qy	368	GGAAATTAATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAAAATGAAGAAATAT	427	
Db	358	GGCAATTAATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAAAATGAAGAAATAT	417	
Qy	428	GAAGAACTCAAGAGTCAAGATTTGACATCGTTTTTTTGCAGATGCTGTTTTTCCCTGTGG	487	
Db	418	GAAGAACTCAAGAGTCAAGATTTGACATCGTTTTTTTGCAGATGCTTATTTTACCTGTGG	477	
Qy	488	TGAGCTGCTGCTGGCTACTTTACATACAGTGTGTGTACAGTCTCCGCTTTTACCTCTGG	547	
Db	478	TGAGCTGCTGCTGGCTACTTTTAAACATACCTTTTGTGTACAGTCAACAGCTTCAGTCTCTGG	537	
Qy	548	CTACACAATTTGAAAGGCACAGTGGAGGACTGATTTTCCCTCTTCTACATACCTATTGT	607	
Db	538	CTACTCATTTGAAAGGCACAGTGGAGGATTTATTTTCCCTCTTCTACGCTACCTGTTGT	597	
Qy	608	TATGTCAAAATTAAGTGATCAAAATGACTTTTCATCGAGAGGGTAAATAATGATCTATGT	667	
Db	598	TATGTCAAAATTAAGTGATCAAAATGACTTTTCATCGAGAGGGTAAATAATGATCTATGT	657	
Qy	668	GCTTTATTTTACACTTTTGGTTCCAAATCTCTGATATGAAGAGTGGGATCAGTTTTTACAG	727	
Db	658	GCTTTATTTTACACTTTTGGTTCCAAATATTTTAAATATGAAGAGTGGGATCAGTTTTTACAG	717	
Qy	728	TGAAGTTTTAGCAAGACCCACTACTTTATTTGAGACAATGGGAAAGCTGACATATGGCT	787	
Db	718	TGAAGTTTTAGCAAGACCCACTACTATATCTGAGACAATGAGGAAGCTGACATATGGCT	777	
Qy	788	TATCGAAACTCTCGGAGTTTCAATTTCCCTCATCCATTCTTACAAACGTTGATTTGT	847	
Db	778	TATCGAAACTCTCGGAGTTTAAATTTTCCCTCATCCATTCTTACAAATGTTGATTTGT	837	
Qy	848	TGGAGGATTCACCTGGGCAACCTGCCAAACCCCTACCTAAGGAATGGAGAGTTTGTAC	907	
Db	838	TGGAGGATTCACCTGCAACCTGCCAAACCCCTACCTAAGGAATGGAGAGTTTGTAC	896	
Qy	908	AGAGCTCTGGAGAAAATGGTGTGTGGTGTCTCTGGGGTCAGTGATGAAGTAAACATGA	967	
Db	897	AGAGCTCTGGAGAAAATGGTGTGTGGTGTCTCTGGGGTCAGTGATGAAGTAAACATGA	956	
Qy	968	CAGCAGAAAGGCCCAATTAATTCACACAGCCCTTGCACAGATCCCAAAAGGTTCTGT	1027	
Db	957	CAGAAGAAAGGCCCAACGTAATTCACACAGCCCTTGCACAGATCCCAAAAGGTTCTTTT	1016	
Qy	1028	GGAGATTTGATGGGAAATTAACAGATGCCCTTAGGTCTCAATCTCGGCTGATTAAGTGA	1087	

Db	1017	GGAGATTTGATGGGAATAAACACAGATGCCTTTAGGTCTCAATCTCGACTGTACAAGTGA	1076	
Qy	1088	TACCCAGAAATGACCTTTCTAGGTCTATCCAAAAAACACAGAGCTTTTATTAACATCACTGGTGGAG	1147	
Db	1077	TACCCAGAAATGACCTTTCTAGGTCTATCCAAAAAACACAGAGCTTTTATTAACATCACTGGTGGAG	1136	
Qy	1148	CCAATGSCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGCAATTCATTTGTTTT	1207	
Db	1137	CCAATGSCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGCAATTCATTTGTTTT	1196	
Qy	1208	GGGATCAACCTGTATAACATTTGCTCACATGAAGGCCAAAGGGAGCAGCTGTTAGATTGGACT	1267	
Db	1197	TTGATCAACCTGTATAATTTGCTCACATGAAGGCCAAAGGGAGCAGCTGTTAGATTGGACT	1256	
Qy	1268	TCAACACAATGTCGAGTACAGACCTGCTGAATGCATGCACTGAAGACAGTAATTAATGATCCTT	1327	
Db	1257	TCAACACAATGTCGAGTACAGACCTGCTGAATGCATGCACTGAAGACAGTAATTAATGATCCTT	1316	
Qy	1328	TATATAAGAGAATATTTATGAAATTTATCAAGAAATTTCAAGAAATTTCAACATGATCAACAGTGAAGCCCC	1387	
Db	1317	CATATAAGAGAATATTTATGAAATTTATCAAGAAATTTCAAGAAATTTCAACATGATCAACAGTGAAGCCCC	1376	
Qy	1388	TGGATCGAGCAGCTCTTCTGGAATTTGAAATTTGTCATGCCCCCACAAAGGAGCCAAACACCTTC	1447	
Db	1377	TGGATCGAGCAGCTCTTCTGGAATTTGAAATTTGTCATGCCCCCACAAAGGAGCCAAACATCTTC	1436	
Qy	1448	GAGTTCAGCCCATGACCTCACCTGGTTCAGTACCACTCTTTGGATGTGATGGGTTTC	1507	
Db	1437	GAGTTCAGCCCATGACCTCACCTGGTTCAGTACCACTCTTTGGATGTGATGGGTTTC	1496	
Qy	1508	TGCTGGCTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTTGTCT	1567	
Db	1497	TGCTGGCTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTTGTCT	1556	
Qy	1568	GGAAATTTGCTAGAAAAAGGGAAGGAAAAAGAGATTAGTTATGTCGACATTTGAAG	1627	
Db	1557	GGAAATTTGCTAGAAAAAGGGAAGGAAAAAGAGATTAGTTATGTCGACATTTGAAG	1616	
Qy	1628	CTGGAACACAGATAGATAGGACAACTTCAGTTTATTTCCAGCAAGAAAGAAAGATTTGTT	1687	
Db	1617	CTGGAATTTCCGTTTATTTGAAGATTTCAGGTTAACCTGAATCAAGTTAACCCAGTCTCAA	1676	
Qy	1688	ATGC 1691		
Db	1677	ATGC 1680		
RESULT 5				
US-10-057-834A-1				
; Sequence 1, Application US/10057834A				
; Publication No. US20030099960A1				
; GENERAL INFORMATION:				
; APPLICANT: RATAIN, MARK J.				
; APPLICANT: INNOCENTI, FEDERICO				
; APPLICANT: DAS, SOMA				
; APPLICANT: IYER, LALITHA				
; APPLICANT: SAWYER, MICHAEL				
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR OPTIMIZING UGT2B7 SUBSTRATE DOSINGS				
; FILE REFERENCE: ASCD.358US				
; CURRENT APPLICATION NUMBER: US/10/057,834A				
; PRIORITY FILING DATE: 2002-08-22				
; PRIOR APPLICATION NUMBER: UNKNOWN				
; NUMBER OF SEQ ID NOS: 78				
; SOFTWARE: PatentIn Ver. 2.1				
; SEQ ID NO 1				
; LENGTH: 1991				
; TYPE: DNA				
; ORGANISM: Homo sapiens				
; FEATURE:				
; NAME/KEY: CDS				
; LOCATION: (151)..(1740)				

US-10-057-834A-1

Query Match 84.7%; Score 1451.4; DB 14; Length 1991;
Best Local Similarity 91.7%; Pred. No. 0;
Matches 1570; Conservative 0; Mismatches 136; Indels 7; Gaps 3;

Qy	1	ATCGCATTTGACACAGGATGACTCTGAAATGGACTTCAGTTCTCTGTGTGATACATCTCCA	60
Db	135	ATTGCAITGCAACAGGATGCTGTGAAATGGACTTCAGTAAATTTTGTCTAATACAACT-GA	193
Qy	61	GTTGTTACTTTAGCTCTGGAGTGTGGAAGTGTGGTGTGGCCGCGAGATACAGCC	120
Db	194	GCITTTGCTTTAGCTCTGGGAATTTGTGGAAGTGTGGTGTGGCGAGAGATACAGCC	253
Qy	121	ATTGGATGAATATGAACACAATCTCGAAAGAGCTTTGTTCAAGAGAGTTCATGAGGTGACTG	180
Db	254	ATTGGATGAATATGAACACAATCTCTGGATGAGCTTATTCAAGAGAGTTCATGAGGTGACTG	313
Qy	181	TACTGGCATCTTCAGCTTCCATTCTTTTGTATCCCAATGATGCATCCACTCTTAAATTTG	240
Db	314	TACTGGCATCTTCAGCTTCCATTCTTTTGTATCCCAACTCATCCGCTCTTAAATTTG	373
Qy	241	AAGTTTATCTACATCTTTAACTAAACTGAAATTTGAGATATCATCATCAACAGGTTA	300
Db	374	AAATTTTATCCACATCTTTAACTAAACTGAGTTGGGAAATTTTCATCATCAACAGATTA	433
Qy	301	AGAGATGGTCAGACATTCGAAAGATAGCTTTTGGTTATATTTTCAAAAGAAACAAGAA	360
Db	434	AGAGATGGTCAGACCTTCCAAAGATACATTTTGGTTATATTTTCAAAAGATACAGGAA	493
Qy	361	TCCTGTGGGAATATATGACATATTTAGAACTTCTGTAAGATGTAGTTTCAAAATAGA	420
Db	494	TCATGTCAATATTTGGTGACATAACTAGAAAGTCTGTAAAGATGTAGTTTCAAAATAGA	553
Qy	421	AAGTTATGAATAACTACAGAGTCAGATTTGACATCGTTTTCGAGATGCTGTTTTTC	480
Db	554	AAATTTATGAAATAAGTACAGAGTCAAGATTTGACGTCAATTTTTCGAGATGCTATTTTTC	613
Qy	481	CCTGTGTGAGCTGCTCGCTGCTACTTAACATACAGTTTGTGTACAGTCTCGCTTTTA	540
Db	614	CCTGTGTGAGCTGCTCGCTGAGCTATTAAACATACCTTTTGTGTACAGTCTCAGCTTCT	673
Qy	541	CTCCTGCTACACAAATTTGAAGGCACAGTGGAGGACTGATTTTCCCTCTCTCTACATAC	600
Db	674	CTCCTGCTACACTTTTGAAGGCACATAGTGGAGGATTTATTTTCCCTCTCTCTACGTAC	733
Qy	601	CTATTGTATGTCAAAATTAAGTCAATGACTTTTCATGGAGAGGTTAAATAATGA	660
Db	734	CTGTTGTTATGTCAAAATTAAGTCAATGACTTTTCATGGAGAGGTTAAATAATGA	793
Qy	661	TCTATGTGCTTTATTTTGGTTTCCAAATGTCTGATATGAAGAGTGGGATCAGT	720
Db	794	TCTATGTGCTTTATTTGCTTTGGTTTCGAAATATTTTGACATGAAGAGTGGGATCAGT	853
Qy	721	TTTACAGTGAAGTTTATAGGAAGCCCACTACTCTTATTTGAGACAAATGGGAAAGCTGACA	780
Db	854	TTTATAGTGAAGTTTATAGGAAGCCCACTACTGCTTATCTGAGACAAATGGGAAAGCTGACG	913
Qy	781	TATGGCTTATCGGAACTCTGGAGTTTTCAAATTCCTCTCATCCATTTCTTACCAACGTTG	840
Db	914	TATGGCTTATTCGAAACTCTCGAAATTTTCAGTTTTCCTCATCCACTCTTACCAAAATGTTG	973
Qy	841	ATTTTGTGGAGGATTCACCTGGCAAACTCTGCCAAACCCCTACTTAAGGAAATGGAGGAG	900
Db	974	ATTTTGTGGAGGACTCCACT-GCAAACTTCCCAACCCCTGCTTAAGGAAATGGAGGAG	1032
Qy	901	TTTGTACAGAGCTCTGGAGAAATTTGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	960
Db	1033	TTTGTACAGAGCTCTGGAGAAATTTGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1092
Qy	961	AACATGACAGCAGAAAGGGCCATGTAATTTGCAACAGCCCTTGCAGATCCCAACAAAG	1020
Db	1093	AACATGACAGAAAGGGCCAAAGTAAATTTGCAATCAGCCCTGGCCCAAGATCCCAACAAAG	1152

Qy	1021	GTTCTGTGGAGATTTGATGGGAATAAACCCAGATGCCTTAGGTCTCAATACTCGCTGTAT	1080
Db	1153	GTTCTGTGGAGATTTGATGGGAATAAACCCAGATACCTTAGGTCTCAATACTCGCTGTAT	1212
Qy	1081	AAGTGATACCCAGAAATGACCTTCTAGGTTCATCCAAAACCCAGAGCTTTTATAACTCAT	1140
Db	1213	AAGTGATACCCAGAAATGACCTTCTAGGTTCATCCAAAACCCAGAGCTTTTATAACTCAT	1272
Qy	1141	GGTGGAGCAATGGCATCTATGAGGCAATCTACCATGGGATCCTATGTTGGGCAATTTCCA	1200
Db	1273	GGTGGAGCAATGGCATCTACGAGGCAATCTACCATGGGATCCTATGTTGGGCAATTTCCA	1332
Qy	1201	TTGTTTGGGATCAACCTGATACATTTGCTTCACATGAAGGCCAAGGGAGCAGCTGTTAGA	1260
Db	1333	TTGTTTGGGATCAACCTGATACATTTGCTTCACATGAAGGCCAAGGGAGCAGCTGTTAGA	1392
Qy	1261	TTGGACTTCAACAATGTGAGTACAGACCTGCTGAAATGCTGCTGAAAGCAGTAAATTAAT	1320
Db	1393	GTGGACTTCAACAATGTGAGTACAGACCTGCTGAAATGCTGCTGAAAGCAGTAAATTAAT	1452
Qy	1321	GATCCCTTATATAAGAGAAATATTGAAATTAATCAAGAAATTCAAATGATCAACCACTA	1380
Db	1453	GATCCCTTATATAAGAGAAATGTTATGAAATTAATCAAGAAATTCAAATGATCAACCACTG	1512
Qy	1381	AAGCCCTTGGATCGAGCAGTCTTCTGGATTGAAATTTGTCATGCCCCACAAAGGAGCCAAA	1440
Db	1513	AAGCCCTTGGATCGAGCAGTCTTCTGGATTGAAATTTGTCATGCCCCACAAAGGAGCTAAA	1572
Qy	1441	CACCTTGGAGTTGCGAGCCCATGACCTCCTGTTTCAAGTACCACTCTTTGGATGTGATT	1500
Db	1573	CACCTTGGAGTTGCGAGCCCATGACCTCCTGTTTCAAGTACCACTCTTTGGATGTGATT	1632
Qy	1501	GGGTTTCTGCTGCTGCTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTT	1560
Db	1633	GGGTTTCTGCTGCTGCTGTGGCAACTGTGATATTTATCGTCAAAAATGTTGTCTGTTT	1692
Qy	1561	TGTTTCTGGAAGTTTCTAGAAAAGGGAAGAAAGGAAAAAGAGATTAGTTATGTTCTGACA	1620
Db	1693	TGTTTCTGGAAGTTTCTAGAAAAGGGAAGAAAGGAAAAAGAGATTAGTTATGTTCTGACA	1752
Qy	1621	TTTGAAGCTGGAAAAACAGATAGTAGGACAACTTCAGTTTATTCAGCAAGAAAGAAAA	1680
Db	1753	TTTGAAGCTGGAAAAACAGATAGTAGGAGACTTTCAGTTTATTCAGCAAGAAAGAAAA	1807
Qy	1681	GATTGTTATGCAAGATTTCTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	1713
Db	1808	GATTGTTATGCAAGATTTCTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	1840

RESULT 6

US-09-880-107-2120
; Sequence 2120, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2120
; LENGTH: 1855
; TYPE: DNA
; ORGANISM: Homo sapiens

; OTHER INFORMATION: Genbank Accession No. US20020142981A1 J05428									
US-09-980-107-2120									
FEATURE:									
Query Match 84.6%; Score 1450; DB 9; Length 1855;									
Best Local Similarity 91.7%; Pred. No. 0;									
Matches 1568; Conservative 0; Mismatches 135; Indels 7; Gaps 3;									
QY	4	GCATTGCACGAGTGA	CTCTGAAATGGACTT	CAGTTCTTCTGCTGATACATCTCCAGTT	63				
DB	2	GCATTGCACGAGTGT	CTGTGAAATGGACTT	CAGTAATTTTGCTAATAACAATG-AGCT	60				
QY	64	GTTCATTAGCTCTG	GGAGTTGTGGAAAAGT	GTGGTGTGGGCCGAGAAATACAGCAATT	123				
DB	61	TTTGCTTTAGCTCT	GGGAAATGTGAAAAGGT	GTGGTGTGGGCCGAGAAATACAGCAATT	120				
QY	124	GGATGAATATTACA	GACAATCTCTGAACAG	CTTGTTCAGAGAGGTTCATGAGTGACTGTAC	183				
DB	121	GGATGAATATTAGA	CAATCTCTGGATGAG	CTTATTCAGAGAGTTCATGAGTGACTGTAC	180				
QY	184	TGGCATCTTCAGCT	TTCCATTCTTTTGAT	CCCCAATGATGCATCCACTCTTTAAATTTGAAG	243				
DB	181	TGGCATCTTCAGCT	TTCCATTCTTTTGAT	CCCCAACAATCATCCGCTCTTTAAATTTGAAA	240				
QY	244	TTTATCTCATACT	TTTAACTGAAATTT	GAGAAATATCATCATGCAACAGGTTAAGA	303				
DB	241	TTTATCCCACTCT	TTTAACTGAAATTT	GAGTTGGAGAAATTCATCATGCAACAGATTAA	300				
QY	304	GATGGTCAGACAT	TCGAAAAGATAGCT	TTTGGTTATATTTTTCACAGAACACAGAAATCC	363				
DB	301	GATGGTCAGACCT	TCGAAAAGATACA	TTTGGTTATATTTTTCACAGTACAGGAAATCA	360				
QY	364	TGTGGGAATTATAT	GACATATTTAGAAA	CTTCTGTAAGATGTAGTTTCAATAAGAAAG	423				
DB	361	TGTCATATTTGGT	GACATAACTAGAA	GTTCGTAAGATGTAGTTTCAATAAGAAAT	420				
QY	424	TTATGAAAAA	ACTACAAGATCAAG	ATTTGACATCGTTTTTGCAGATGCTGTTTTCCCT	483				
DB	421	TTATGAAAAA	AGTACAAGATCAAG	ATTTGACATCGTTTTTGCAGATGCTATTTTTCCCT	480				
QY	484	GTGGTGAGCTGCT	GGCTGCTACTTAA	CATACGGTTTGTGTACAGTCTCCGCTTTTACT	543				
DB	481	GTAGTGAGCTGCT	GGCTGAGCTATTT	TAACATACCCCTTTGTGTACAGTCTCAGCTTCTCTC	540				
QY	544	CTGGCTACAAAT	TGAAAGGCACAGT	CGAGACTGATTTTCCCTCCTTCTCTACATAGCTA	603				
DB	541	CTGGCTACACTT	TGAAAGGATAGT	GGAGATTATTTTTCCCTCCTTCTCTACGACTG	600				
QY	604	TTGTTATGTCAAA	ATTAAAGTGATCAA	ATGACTTTTCATGGAGAGGTTAAAAAATATGATCT	663				
DB	601	TTGTTATGTCAGA	ATTAACTGATCAA	ATGACTTTTCATGGAGAGGTTAAAAAATATGATCT	660				
QY	664	ATGTGCTTTATTT	GACTTTTGGTTCCA	ATGCTGTATATGAAGAAGTGGGATCAGTTTT	723				
DB	661	ATGTGCTTTACTT	TGACTTTTGGTTCGAA	ATATTTGACATGAAGAAGTGGGATCAGTTTT	720				
QY	724	ACAGTGAAGTTT	TAGGAAGCCCACT	ACTTATTTTGGAGACAATCGGAAAAAGCTCACATAT	783				
DB	721	ATAGTGAAGTTT	CTAGGAAGCCCACT	AGTTATCTGAGACATATGGGAAAGCTGACGTAT	780				
QY	784	GGCTTATGCAAA	ACTCTCGAGTTTTC	CAATTTTCTCATCCATCTTTACCAAAACGTTGATT	843				
DB	781	GGCTTATGCAAA	CTCTCGAAATTTT	CAGTTTCTCATCCACTCTTACCAAAATGTTGATT	840				
QY	844	TTGTTGGAGATT	CCACTGGCAAACT	GTGCCAAACCCCTACTTAAGGAAATGGAGAGTTT	903				
DB	841	TTGTTGGAGACT	CCACT-GCAAA	CCCTGCCCAACCCCTGTACTAGGAAATGGAAGACTTT	899				
QY	904	GTACAGAGCTCT	CGAGAAAATGGT	GTGTCTCGGGTCAAGTCAATAAGTAAC	963				
DB	900	GTACAGAGCTCT	CGAGAAAATGGT	GTGTCTCTGGGGTCAATGGTCAAGTAAC	959				
QY	964	ATGACAGCAAA	AGGGCCAATGT	TAATTTGCAACAGCCCTTGCACAGATCCCAACAAAAGTTT	1023				

RESULT 7

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RES-001 //
US/09-968-007A-368
; Sequence 368, Application US/09968007A
; Publication No. US20040115625A1
; GENERAL INFORMATION:
; APPLICANT: Ebner, Reinhard
; TITLE OF INVENTION: Cancer Gene Determination
; TITLE OF INVENTION: Gene Sets
; FILE REFERENCE: 689290-71
; CURRENT APPLICATION NUMBER: US/09/968,007A
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/60/237,172
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,173
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,278
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,294
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,295
; PRIOR FILING DATE: 2000-10-02

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TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signal


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; PRIOR APPLICATION NUMBER: US/60/237,316
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 1001
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 368
; LENGTH: 1855
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-968-007A-368

Query Match      84.6%; Score 1450; DB 11; Length 1855;
Best Local Similarity 91.7%; Pred. No. 0;
Matches 1568; Conservative 0; Mismatches 135; Indels 7; Gaps 3;

QY      4  GCATTGCACCGAGTGAACCTGGAATGGACTTCAGTCTTCTCTGATACATCTCCAGTT 63
DB      2  GCATTGCACCGAGTGTCTGTGAATGGACTTCAGTAAATTTTCTAATCAACTG-AGCT 60

QY      64  GTTACTTTAGCTCTGGGAGTTGTGAAAAAGTGTGTTGGGCGGAGAAATACAGCCATT 123
DB      61  TTTGCTTTAGCTCTGGGAATTGTGAAAAGGTGCTGTTGGGCGAGCAGAAATACAGCCATT 120

QY      124  GGAATGAATATGAAGACAACTCTGAAAGAGCTTGTTCAGAGAGTCAATGAGTGAATG 193
DB      121  GGAATGAATATGAAGACAACTCTGATGAGCTTATTCAGAGAGTCAATGAGTGAATG 180

QY      184  TGGCATCTTCAGCTTCATTTCTTTTGGATCCCAATGATGATCATCCACTCTTAAATTTGAAG 243
DB      181  TGGCATCTTCAGCTTCATTTCTTTTGGATCCCAACAACTCATCCGCTCTTAAATTTGAAG 240

QY      244  TTTATCCTACATCTTTAACTTAACTGAAATTTGAGAAATATCATATGCAACAGGTTAAGA 303
DB      241  TTTATCCCATCTTTAACTTAACTGAGTTGGAGAAATTTTCATCATGCAACAGATTAAGA 300

QY      304  GATGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAAAGAAACAGAAATCC 363
DB      301  GATGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAAAGTACAGGAAATCA 360

QY      364  TGTGGGAATTTATATGACATATTTAGAACTTCGTAAAGATGTAGTTTCAAAATGAAGAAAG 423
DB      361  TGTCAATATTTGTGTGACATTAACATAGAAAGTTCTGTAAAGATGTAGTTTCAAAATGAAGAAAT 420

QY      424  TTATGAAAAAATCAAGAGTCAAGATTTTGACATCGTTTTTTCAGAGTGTCTTTTCCCT 483
DB      421  TTATGAAAAAATCAAGAGTCAAGATTTTGACGTCAATTTTTCAGAGTGTCTTTTCCCT 480

QY      484  GTGGTGAAGTGTGGCTGGCTGCTACTTAAATAGCGTTTGTGTGACGTCTCCGCTTTACTC 543
DB      481  GTAGTGAAGTGTGGCTGGCTGCTATTTAAACATACCTTTTGTGTACAGTCTCAGCTTCTCTC 540

QY      544  CTGGCTACACAAATTGAAAGCAGTGGAGGACTGATTTTCCCTTCCCTACATACCTTA 603
DB      541  CTGGCTACACTTTTGAAGACATAGTGGAGGATTTATTTTCCCTTCCCTTCCCTGACCTG 600

QY      604  TTGTTATGTCAAAATTAAGTGTGATCAAAATGCTTTTCATGGAGAGGTTAAAAAATATGATCT 663
DB      601  TTGTTATGTCAAAATTAAGTGTGATCAAAATGCTTTTCATGGAGAGGTTAAAAAATATGATCT 660

QY      664  ATGTGCTTATTTTGTGATTTTGGTTCCAAATGTCTGAAATGAAAGATGGGATCAGTTTT 723
DB      661  ATGTGCTTATTTTGTGATTTTGGTTCCGAAATATTTGACATGAAAGATGGGATCAGTTTT 720

QY      724  ACAGTGAAGTTTATGGAAGACCCACTACCTTATTTTGAGCAATGGGAAAGCTGACATAT 783
DB      721  ATAGTGAAGTTTATGGAAGACCCACTACCTTATTTTGAGCAATGGGAAAGCTGACATAT 780

QY      784  GGCTTATGCGAAATCTCTGGAGTTTTCATTTTCCCTCATCCATTCTTACCAAACTGTTGATT 843
DB      781  GGCTTATGCGAAATCTCTGGAAATTTTCAGTTTCCCTCATCCACTCTTACCAAAATGTTGATT 840

QY      844  TTGTTGGAGGATTCACATGGCAAACTGCGCAAAACCCCTACCTAAGGAAATGGAGGAGTTT 903
DB      841  TTGTTGGAGGACTCCACT-GCAAAACCTGCGCAAAACCCCTGCTAAGGAAATGGAGGAGTTT 899
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QY      904  GTACAGAGCTCTGGAGAAAATGGTGTGTGGTGTCTTCTCTGGGTCAAGTATAAGTAAC 963
DB      900  GTACAGAGCTCTGGAGAAAATGGTGTGTGGTGTCTTCTCTGGGTCAATGGTCAGTAAC 959

QY      964  ATGACAGAGAAAGGGCCCAATGTAATTGCAACAGAGCCCTTGCCTCAAGATCCACAAAAAGTT 1023
DB      960  ATGACAGAGAAAGGGCCCAACGTAATTGCAATCAGCCCTGCGCCAGATCCACAAAAAGTT 1019

QY      1024  CTGTGGAGATTTGATGGGAATAAACAGATGCTTAGGTCTCAATCTCGGCTGTATAAG 1083
DB      1020  CTGTGGAGATTTGATGGGAATAAACAGATACCTTAGGTCTCAATCTCGGCTGTATAAG 1079

QY      1084  TGGATACCCCAAGATACCTTCTAGGTCTATCCAAAAACAGAGCTTTTATAAATCATGTT 1143
DB      1080  TGGATACCCCAAGATACCTTCTAGGTCTATCCAAAGACAGAGCTTTTATAAATCATGTT 1139

QY      1144  GGAGCCAAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGCATTCATTTG 1203
DB      1140  GGAGCCAAATGGCATCTACGAGGCAATCTACCATGGGATCCCTATGGTGGGATTCATTTG 1199

QY      1204  TTTTGGGATCAACCTGATTAACATTTGCTCACATCAAGCCCAAGGAGCAGCTGTAGATTG 1263
DB      1200  TTTTGGGATCAACCTGATTAACATTTGCTCACATCAAGCCCAAGGAGCAGCTGTAGATTG 1259

QY      1264  GACTTCAACACAAATGTGAGTACAGACCTGCTGAATGCACTGAAGACAGTAATTAATGAT 1323
DB      1260  GACTTCAACACAAATGTGAGTACAGACCTGCTGAATGCACTGAAGACAGTAATTAATGAT 1319

QY      1324  CTTTATATAAGAGAAATATTAATAAATATCAAGAAATTAACAATGATCAACAGTAAAG 1383
DB      1320  CTTTATATAAGAGAAATGTTATGAAATTAACAAGAAATTAACAATGATCAACAGTAAAG 1379

QY      1384  CCCCTGGATCGAGCAGTCTTCTGGATTGAAATTTGTCATGCCCCACAAAGGAGCACAACAC 1443
DB      1380  CCCCTGGATCGAGCAGTCTTCTGGATTGAAATTTGTCATGCCCCACAAAGGAGCACAACAC 1439

QY      1444  CTTTCAGTTGTCAGCCCATGACCTCAGCTGTTTCCAGTACCCTCTTTGGATGTGATTGGG 1503
DB      1440  CTTTCAGTTGTCAGCCCATGACCTCAGCTGTTTCCAGTACCCTCTTTGGATGTGATTGGG 1499

QY      1504  TTTCTGCTGGCTGTGTGGCAACTGTGTGATTTTATCATCAAAAGTTTGTCTGTGTTGT 1563
DB      1500  TTTCTGCTGGCTGTGTGTGGCAACTGTGTGATTTTATCGTCACAAAATGTTGTCTGTGTTGT 1559

QY      1564  TTCTGGAAGTTCCTAGAAAGGAGGAGGAAAGAGATTAGTTATCTCTGACATTT 1623
DB      1560  TTCTGGAAGTTCCTAGAAAGGAGGAGGAAAGAGATTAGTTATCTCTGACATTT 1619

QY      1624  GAAGCTGGAAAAACCCAGATAGTAGGACAACTTCAGTTTATTCAGCAAGAAAGAAAGAT 1683
DB      1620  GAAGCTGGAAAAACCCAGATAGTAGGACAACTTCAGTTTATTCAGCAAGAAAGAAAGAT 1674

QY      1684  TGTATGCAAGATTTCTTTCTCTCTGTGAC 1713
DB      1675  TGTATGCAAGATTTCTTTCTCTCTGTGAC 1704
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RESULT 8
US-09-968-007A-735
; Sequence 735, Application US/09968007A
; Publication No. US20040115625A1
; GENERAL INFORMATION:
; APPLICANT: Ebner, Reinhard
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signal
; TITLE OF INVENTION: Gene Sets
; FILE REFERENCE: 689290-71
; CURRENT APPLICATION NUMBER: US/09/968,007A
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/60/237,172
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,173
; PRIOR FILING DATE: 2000-10-02
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; PRIOR APPLICATION NUMBER: US/60/237,278
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,294
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,295
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,316
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 1001
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 735
; LENGTH: 1855
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-968-007A-735

Query Match      84.6%; Score 1450; DB 11; Length 1855;
Best Local Similarity 91.7%; Pred. No. 0;
Matches 1568; Conservative 0; Mismatches 135; Indels 7; Gaps 3;

QY 4 GCATTGCACGAGTACTCTGAAATGGACTTCAGTTCTTCCTGTGATACATCTCCAGTT 63
Db 2 GCATTGCACGAGTACTCTGAAATGGACTTCAGTTCTTCCTGTGATACATCTCCAGTT 60
QY 64 GTTACTTTAGCTCTGGGAGTTTGGAAAAGTCTGGTGTGGCGCGCAGAAATACAGCCATT 123
Db 61 TTTGCTTTAGCTCTGGGAAATTTGGAAAAGTCTGGTGTGGCGCAGCAGAAATACAGCCATT 120
QY 124 GGATGAATATGAAGACAACTCTCAAGAGCTTGTTCAGAGAGGTTCATGAGTCACTGTAC 183
Db 121 GGATGAATATGAAGACAACTCTGGATGAGCTTATTCAGAGAGGTTCATGAGTCACTGTAC 180
QY 184 TGGGATCTTCAGCTTCATTCTTTTGTATCCCAATGATCATCTCACTCTTAAATTTGAAG 243
Db 181 TGGCATCTTCAGCTTCATTCTTTTGTATCCCAACTCATCCGCTCTTAAATTTGAAG 240
QY 244 TTTATCTACATCTTTAACTAAACTGAATTTGAGATATCATCATGCAACAGGTTAAGA 303
Db 241 TTTATCCCATCTTTAACTAAACTGAGTTGGAGAAATTCATCATGCAACAGATTAAGA 300
QY 304 GATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAAGAACAAAGAAATCC 363
Db 301 GATGGTCAGACCTTCGAAAAGATACATTTTGGTTATATTTTTCACAAGTACAGAAATCA 360
QY 364 TGTGGGAATTTATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAAAATGAAGAAAG 423
Db 361 TGTCAATATTTGGTGACATTAACATAGAAAGTCTGTAAAGATGTAGTTTCAAAATGAAGAAAT 420
QY 424 TTATGAAAACCTACAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTGTTTTTCCCT 483
Db 421 TTATGAAAACCTACAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTGTTTTTCCCT 480
QY 484 GTGGTGAAGCTGGCTGCTACTTAAACATACGGTTTGTGTACAGTCTCCGCTTTTACTC 543
Db 481 GTAGTGAAGCTGGCTGCTACTTAAACATACGGTTTGTGTACAGTCTCCGCTTTTACTC 540
QY 544 CTGGCTACAAATTTGAAGGCAACAGTGGAGGACTGATTTTCCCTCTCTCTACATACCTA 603
Db 541 CTGGCTACACTTTTGAAGGCAACAGTGGAGGATTTTATTTTCCCTCTCTCTACGTTACCTG 600
QY 604 TTGTTATGCAAAATTTAAGTGAATCAATGACTTTTCATGGAGAGGTTAAAAAATATGATCT 663
Db 601 TTGTTATGTCAGAAATTTAAGTGAATCAATGACTTTTCATGGAGAGGTTAAAAAATATGATCT 660
QY 664 ATGTGCTTTATTTTGAATTTTGGTTCCAAATGTCTGATATGAAGAGTGGGATCAGTTTTT 723
Db 661 ATGTGCTTTACTTTTGAATTTTGGTTCCAAATGTCTGATATGAAGAGTGGGATCAGTTTTT 720
QY 724 ACAGTGAAGTTTATGAGGAGCCCACTACCTTATTTTGAAGCAATGGGAAAAAGCTGACATAT 783
Db 721 ATAGTGAAGTTTATGAGGAGCCCACTACCTTATTTTGAAGCAATGGGAAAAAGCTGACGAT 780
QY 784 GGCTTATGCGAAACTCTCGAGGTTTCAATTTCTCATCTTCTTACCAACAGTTGATT 843
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RESULT 9

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US-10-783-528-57
; Sequence 57, Application US/10783528
; Publication No. US20040219579A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Gish, Kurt
; APPLICANT: Wilson, Keith
; APPLICANT: Zlotnik, Albert
```

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Db 781 GGCTTATTCGAAACTCTCTGGAAATTTTTCAGTTTCTCTCATCCTCTTACCAAAATGTTGATT 840
QY 844 TTGTTGGAGGATTCCTCACTGGCAAAACCTGCCAAACCTTACCTAAGGAAATGGAGGAGTTT 903
Db 841 TTGTTGGAGGACTCCACT-CCAAACCTGCCAAACCTTACCTAAGGAAATGGAGGAGTTT 899
QY 904 GTACAGAGCTCTCGAGAAATGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGT 963
Db 900 GTACAGAGCTCTCGAGAAATGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGT 959
QY 964 ATCACAGCAGAAAGGCGCAATGTAATTTGCAACAGCCCTTCCCAAGATCCCAACAAAGGTT 1023
Db 960 ATCACAGCAGAAAGGCGCAACGTAATTTGCAATCAGCCCTTGGCCAGATCCCAACAAAGGTT 1019
QY 1024 CTGTGAGGATTTGATGGGAATAAACAGATGCCTTATAGGTCTCAATCTCGCTCTGTATAAG 1083
Db 1020 CTGTGAGGATTTGATGGGAATAAACAGATACCTTATAGGTCTCAATCTCGCTCTGTATAAG 1079
QY 1084 TGGATACCCAGAAATGACCTTCTAGGTCTATCAAAACCAAGAGCTTTTATAAATCATGTT 1143
Db 1080 TGGATACCCAGAAATGACCTTCTAGGTCTATCAAAACCAAGAGCTTTTATAAATCATGTT 1139
QY 1144 GGAGCCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGATTTCCATTG 1203
Db 1140 GGAGCCAATGGCATCTACGAGGCAATCTACCATGGGATCCCTATGGTGGGATTTCCATTG 1199
QY 1204 TTTTGGGATCAACCTGATTAACATTTGCTCACAATGAAGGCCAAGGAGGAGCTGTTAGATTG 1263
Db 1200 TTTTGGGATCAACCTGATTAACATTTGCTCACAATGAAGGCCAAGGAGGAGCTGTTAGATTG 1259
QY 1264 GACTTCAACAAATGTGAGTACAGACCTCTGAAATGCACTGAAGACAGTAATTAATGAT 1323
Db 1260 GACTTCAACAAATGTGAGTACAGACCTCTGAAATGCACTGAAGACAGTAATTAATGAT 1319
QY 1324 CCTTTATATAAGAGATATTTAGAAATTTATCAAGAAATTTCAAGAAATTTCAAGAAATTTCAAG 1383
Db 1320 CCTTTATATAAGAGATATTTAGAAATTTATCAAGAAATTTCAAGAAATTTCAAGAAATTTCAAG 1379
QY 1384 CCCTCGGATCGAGCAGCTTTCTGGATTTGAAATTTGTCATGCCCCCAAAAGGAGGCCAAACAC 1443
Db 1380 CCCTCGGATCGAGCAGCTTTCTGGATTTGAAATTTGTCATGCCCCCAAAAGGAGGCCAAACAC 1439
QY 1444 CTTTCAGTTGTCAGGCCCATGACCTCACTCGTTTCAGTACCACTCTTTTGGATGTGATTTGGG 1503
Db 1440 CTTTCAGTTGTCAGGCCCATGACCTCACTCGTTTCAGTACCACTCTTTTGGATGTGATTTGGG 1499
QY 1504 TTTCTGCTGGCTGTGGCAACTGTGATATTTATCATCAAAAGTTTTCCTGCTGTTTGT 1563
Db 1500 TTTCTGCTGGCTGTGGCAACTGTGATATTTATCATCAAAAGTTTTCCTGCTGTTTGT 1559
QY 1564 TTTCTGGAAGTTTCTAGAAAAGGGAAGAGGAAAAAGAGATTAGTTATGTCGACATTT 1623
Db 1560 TTTCTGGAAGTTTCTAGAAAAGGGAAGAGGAAAAAGAGATTAGTTATGTCGACATTT 1619
QY 1624 GAAGCTGGAAGAACCCAGATAGATAGGACAACTTCAGTTTATTCAGCAAGAAAGAAAAAGAT 1683
Db 1620 GAAGCTGGAAGAACCCAGATAGATAGGAGACTTCTCAGTTTATTCAGCAAG-----AAAGAT 1674
QY 1684 TGTATGCAAGATTTCTTTCTCTCTCTCTGAC 1713
Db 1675 TGTATGCAAGATTTCTTTCTCTCTCTCTGAGAC 1704
```

; TITLE OF INVENTION: METHODS OF DIAGNOSIS OF CANCER, COMPOSITIONS AND
; FILE REFERENCE: 05882.0191.NPUS01
; CURRENT APPLICATION NUMBER: US/10/783,528
; CURRENT FILING DATE: 2004-02-19
; NUMBER OF SEQ ID NOS: 116
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 1855
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-783-528-57

Query Match 84.6%; Score 1450; DB 20; Length 1855;
Best Local Similarity 91.7%; Pred. No. 0;
Matches 1568; Conservative 0; Mismatches 135; Indels 7; Gaps 3;

QY 4 GCATTGCACGAGATGACTCTGAAATGGACTTCAGTTCCTGCTGATACATCTCCAGTT 63
DB 2 GCATTGCACGAGATGCTGTGAAATGGACTTCAGTAAATTTTGGCTAATACAACTG-AGCT 60

QY 64 GTTACTTTAGCTCTGGGAGTTTGGAAAGTGTGTTGGGCGGAGAAATACAGCCATT 123
DB 61 TTTGCTTTAGCTCTGGAAATTTGGAAAGTGTGTTGGGCGGAGAAATACAGCCATT 120

QY 124 GGATGAATATGAAGACAAATCCTGAAAGAGCTTGTTCAGAGAGTTCATGAGGTGACTGTAC 183
DB 121 GGATGAATATGAAGACAAATCCTGGATGAGCTTATTCAGAGAGTTCATGAGGTGACTGTAC 180

QY 184 TGGCATCTTCAGCTTCCTATCTTTTGTATGCCAATGATGATCCACTCTTAAATTTGAAG 243
DB 181 TGGCATCTTCAGCTTCCTATCTTTTGTATGCCAATGATGATCCACTCTTAAATTTGAAG 240

QY 244 TTTATCCTACATCTTTAACTTAAACCTGAATTCGAGAAATATCATCGCAACAGTTAAGA 303
DB 241 TTTATCCTACATCTTTAACTTAAACCTGAGTTGGAGAAATTCATCGCAACAGATTAAGA 300

QY 304 GATGGTCAGACATTCGAAAGATAGCTTTTGGTTATATTTTTCACAAAGCAAGAAATCC 363
DB 301 GATGGTCAGACCTTCCAAAGATATACATTTTGGTTATATTTTTCACAAAGTACAGAAATCA 360

QY 364 TGTGGGAATTAATGATACATATTAGAAACCTTCTGTAAAGATGATGTTTCAAATAAGAAAG 423
DB 361 TGTCAATATTTTGTGACATAACTAGAAAGTTCTGTAAAGATGATGTTTCAAATAAGAAAT 420

QY 424 TTATGAAACAACTACAGAGCTCAAGATTGACATCGTTTTTGCAGATGCTGTTTTCCCT 483
DB 421 TTATGAAACAACTACAGAGCTCAAGATTGACATCGTTTTTGCAGATGCTGTTTTCCCT 480

QY 484 GTGGTGAGCTGCTGGCTGCGCTACTTAAACATACGGTTTGTGTACAGTCTCCGCTTTACTC 543
DB 481 GTAGTGAGCTGCTGGCTGAGCTATTTAAACATACCTTTTGTGTACAGTCTCAGCTTCTC 540

QY 544 CTGGCTACAAATTTGAAAGGCAAGTGGAGGACTGATTTTCCCTTCCCTTCCCTACATACCTA 603
DB 541 CTGGCTACACTTTTGAAGGCAAGTGGAGGATTTATTTTCCCTTCCCTTCCCTAGCTACCTG 600

QY 604 TTGCTTATGCAAAATTAAGTGAATGATCAATGATCTTCATGGAGAGGGTAAATAATATGATCT 663
DB 601 TTGCTTATGCAAAATTAAGTGAATGATCAATGATCTTCATGGAGAGGGTAAATAATATGATCT 660

QY 664 ATGTGCTTTATTTTGACTTTTGGTTCCAAATGTCTGATATGAAGAAGTGGGATCAGTTTT 723
DB 661 ATGTGCTTTATTTTGACTTTTGGTTCCAAATATTTGACATGAAGAGTGGGATCAGTTTT 720

QY 724 ACAGTGAAGTTTGAAGAACCCACTACCTTATTTGAGACAAATGGGAAAGCTGACATAT 783
DB 721 ATAGTGAAGTTTGAAGAACCCACTACCTTATTTGAGACAAATGGGAAAGCTGACATAT 780

QY 784 GGCTTATGCAAACTCTGAGTTTTCATTTTCCCTCATCCATCTTACCAAAAGCTTGATT 843
DB 781 GGCTTATGCAAACTCTGAGTTTTCATTTTCCCTCATCCATCTTACCAAAAGCTTGATT 840

QY 844 TTTGTTGGAGGATTTCCACTGGCAAAACCTGCCAAACCCCTACCTAAGGAAATGGAGGATTT 903

RESULT 10

US-10-843-641A-6838
; Sequence 6838, Application US/10843641A
; Publication No. US2005006454A1
; GENERAL INFORMATION:
; APPLICANT: Avalon Pharmaceuticals, Inc.
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; TITLE OF INVENTION: Signature Gene Sets
; FILE REFERENCE: 689290-189
; CURRENT APPLICATION NUMBER: US/10/843,641A
; CURRENT FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: US/09/873,367
; PRIOR FILING DATE: 2001-06-05

841 TTGTTGGAGACTCCACT-GCAAACTGCCAAACCCCTGCTAAGGAAATGGAAGACTTT 899
QY 904 GTACAGAGCTCTGGAGAAAATGTTGTTGGTGTCTCTCTGGGGTCAAGTAAAGTAAC 963
DB 900 GTACAGAGCTCTGGAGAAAATGTTGTTGGTGTCTCTCTGGGGTCAATTTGGTCAGTAAC 959
QY 964 ATGACAGCAGAAAGGGCCCAATGTAATTGCAACAGCCCTTGCCCAAGATCCCAACAAAAGTTT 1023
DB 960 ATGACAGAAAGAAAGGGCCCAACGTAATTGATCAGCCCTGGCCAGATCCCAACAAAAGTTT 1019
QY 1024 CTGTGAGATTTGATCGGAATAAACAGATGCTTAGGTCTCAATACTCGGCTGTATAAG 1083
DB 1020 CTGTGAGATTTGATCGGAATAAACAGATACCTTAGGTCTCAATACTCGGCTGTATAAG 1079
QY 1084 TGGATACCCCAAGATACCTCTTAGGTCTATCCAAAACAGAGCTTTTATAACTCATGTT 1143
DB 1080 TGGATACCCCAAGATACCTCTTAGGTCTATCCAAAACAGAGCTTTTATAACTCATGTT 1139
QY 1144 GGAGCCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGTTGGGCATTTCCATTG 1203
DB 1140 GGAGCCAATGGCATCTACGAGGCAATCTACCATGGGATCCCTATGTTGGGCATTTCCATTG 1199
QY 1204 TTTTGGGATCAACCTGATTAACATTTGCTCAATGAAGCCCAAGGGAGCAGCTGTTAGATTG 1263
DB 1200 TTTTGGGATCAACCTGATTAACATTTGCTCAATGAAGCCCAAGGGAGCAGCTGTTAGATTG 1259
QY 1264 GACTTCAACACATGTCGAGTACAGACCTGCTGAAATGCATGAGCAGTAAATTAATGAT 1323
DB 1260 GACTTCAACACATGTCGAGTACAGACCTGCTGAAATGCATGAGCAGTAAATTAATGAT 1319
QY 1324 CCTTTATATAAGAGAAATATTATGAATATTATCAAGAAATTCACCATGATCAACCAAGTAAAG 1383
DB 1320 CCTTTATATAAGAGAAATATTATGAATATTATCAAGAAATTCACCATGATCAACCAAGTAAAG 1379
QY 1384 CCCTCGATCGAGCAGCTCTCTGGATTGAATTTGTATGCCCCACAAAAGGAGCAACAC 1443
DB 1380 CCCTCGATCGAGCAGCTCTCTGGATTGAATTTGTATGCCCCACAAAAGGAGCTAAACAC 1439
QY 1444 CTTGAGTTTGCAGCCCATGACCTCAGTTCAGTTCAGTACCTCTTTGGATGTTAGTTGGG 1503
DB 1440 CTTGAGTTTGCAGCCCATGACCTCAGTTCAGTTCAGTACCTCTTTGGATGTTAGTTGGG 1499
QY 1504 TTTCTCTGCGCTGTCTGCAACTGTGATATTTATCATCAAAAGTTTCTCTGTTTGT 1563
DB 1500 TTTCTCTGCTGTCTGTCGCACTGTGATATTTATCGTCAAAAATCTTCTGTTTGT 1559
QY 1564 TTTCTGAAAGTTTGTCTAGAAAAGGAAAGAGGAAAAGAGATTAGTTATCTCTGACATTT 1623
DB 1560 TTTCTGAAAGTTTGTCTAGAAAAGGAAAGAGGAAAAGAGATTAGTTATCTCTGAGATTT 1619
QY 1624 GAAGCTGGAAGAACCATAGATAGGACAACTTCAGTTTATTCAGCAAGAAAGAAAGAT 1683
DB 1620 GAAGCTGGAAGAACCTAGATAGGAGACTACTTCAGTTTATTCAGCAAG-----AAAGAT 1674
QY 1684 TGTATGCAAGATTTCTTTCTCTCTGTGAC 1713
DB 1675 TGTATGCAAGATTTCTTTCTCTCTGTGAC 1704

PRIOR APPLICATION NUMBER: US/09/954,531
PRIOR FILING DATE: 2001-09-18
PRIOR APPLICATION NUMBER: US/09/954,456
PRIOR FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US/09/962,436
PRIOR FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US/09/962,832
PRIOR FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US/09/964,824
PRIOR FILING DATE: 2001-09-27
PRIOR APPLICATION NUMBER: US/09/967,768
PRIOR FILING DATE: 2001-09-28
PRIOR APPLICATION NUMBER: US/09/968,007
PRIOR FILING DATE: 2001-10-02
PRIOR APPLICATION NUMBER: US/09/969,347
PRIOR FILING DATE: 2001-10-02
PRIOR APPLICATION NUMBER: US/09/969,708
PRIOR FILING DATE: 2001-10-03
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 8447
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6838
LENGTH: 1855
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(1855)
OTHER INFORMATION: n=a,t,g or c
US-10-843-641A-6838

Query Match 84.6%; Score 1450; DB 21; Length 1855;
Best Local Similarity 91.7%; Pred. No. 0;
Matches 1568; Conservative 0; Mismatches 135; Indels 7; Gaps 3;

Qy	4	GCATTGCACCAAGGATGCTGGAATGGACTTCAGTTCAGTTCCTCTGCTGATACATCCAGTT	63
Db	2	GCATTGCACCAAGGATGCTGGAATGGACTTCAGTTCAGTTCCTCTGCTGATACATCCAGTT	60
Qy	64	GTACTTTAGCTCTGGGAGTTGTGGAAGTGTGGTGTGGCGCGCAGAAATACAGCCATT	123
Db	61	TTTCTTTAGCTCTGGGAGTTGTGGAAGTGTGGTGTGGCGCGCAGAAATACAGCCATT	120
Qy	124	GGATGAATATGAACAAATCCTGAAAGAGCTTGTTCAGAGAGTTCATGAGTGACTGTAC	183
Db	121	GGATGAATATGAACAAATCCTGATGAGCTTATTCAGAGAGTTCATGAGTGACTGTAC	180
Qy	184	TGGCATCTTCAGCTTCATCTTTTTCATGCCAATGATGCATCCACTCTTAAATTTGAAG	243
Db	181	TGGCATCTTCAGCTTCATCTTTTTCATGCCAATGATGCATCCACTCTTAAATTTGAAG	240
Qy	244	TTTATCTACATCTTTAACTAAACTGAAATTTGAGAATATCATCATGCAACAGTTAAGA	303
Db	241	TTTATCCCAATCTTTAACTAAACTGAGTTGGAGAATTTTCATCATCAACAGATTAGA	300
Qy	304	GATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAAAGAACAAATCC	363
Db	301	GATGGTCAGACATTCGAAAAGATACATTTTGGTTATATTTTTCACAAAGTACAGAAATCA	360
Qy	364	TGCGGAATATATGACATATTTAGAACTTCTGTAAGATGTAGTTTCAAAATGAAGAAG	423
Db	361	TGTCAATATTTTGGTGACATTAACATAGAAAGTTCTGTAAAGATGTAGTTTCAAAATGAAGAAT	420
Qy	424	TTATGAAAACACTACAAGATCAGATTTCACATCGTTTTCGAGATGCTGTTTTCCTT	483
Db	421	TTATGAAAACAGTACAAGATCAAGATTTCACGTCATTTTTCGAGATGCTATTTTTCCTT	480
Qy	484	GTGGTGAGCTGCTGGCTGCGCTACTTAACATACCGTTTGTGTACAGTCTCCGCTTTACTC	543
Db	481	GATGTGAGCTGCTGGCTGAGCTATTTAAATACCTTTTGTGTACAGTCTCAGCTTCTCTC	540
Qy	544	CTGGCTACAAATTTGAAGGCACAGTGGAGACTGATTTTCCCTCTCTTCTACATACCTA	603

Db	541	CTGGCTACACTTTTGAAGACATAGTGGAGGATTTATTTTCCCTCTCTTCTACACTGCTG	600
Qy	604	TTGTTATGTCAAAATTTAAGTGATCAAAATGATCTTTTCATGGAGAGGGTAAAAATATGATCT	663
Db	601	TTGTTATGTCAAGAAATTAACATGATCAAAATGATCTTTTCATGGAGAGGGTAAAAATATGATCT	660
Qy	664	ATGTGCTTTATTTTGACTTTTGGTTCGAAATGCTGATATGAAGAAGTGGGATCAGTTTTT	723
Db	661	ATGTGCTTTATTTTGACTTTTGGTTCGAAATGCTGATATGAAGAAGTGGGATCAGTTTTT	720
Qy	724	ACAGTGAAGTTTATAGGAAGACCCACTTACCTTATTTGAGACAAATGGGAAAGCTCAGATAT	783
Db	721	ATAGTGAAGTTCTAGGAAGACCCACTTACCTTATTTGAGACAAATGGGAAAGCTCAGATAT	780
Qy	784	GGCTTATGCGAACTCTCTGGAGTTTTCAAATTTCTCATCTTCTTACCAACCTTGATT	843
Db	781	GGCTTATGCGAACTCTCTGGAGTTTTCAGTTTCTCTCATCCACTCTTACCAAAATGTTGATT	840
Qy	844	TTGTTGGAGGATTCCTACTGCGAAACCTGCCAAACCTTACCTAAGGAAATGGAGGAGTTT	903
Db	841	TTGTTGGAGGATTCCTACT - GCAAAACCTGCCAAACCTTACCTAAGGAAATGGAGGAGTTT	899
Qy	904	GTACAGAGCTCTGAGAAATGTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	963
Db	900	GTACAGAGCTCTGAGAAATGTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	959
Qy	964	ATGACAGCAGAAAGGGCCAAATTAATTTGCAACAGCCCTTGCACAGATCCCAACAAAGGTT	1023
Db	960	ATGACAGAAAGGGCCAAACGTAATTTGCATCAGCCCTGCCCCAGATCCCAACAAAGGTT	1019
Qy	1024	CTGTGAGATTTGATGGGAATAAACACAGATGCCTTAGTCTCAATATCTCGGCTGTATAAG	1083
Db	1020	CTGTGAGATTTGATGGGAATAAACACAGATGCCTTAGTCTCAATATCTCGGCTGTATAAG	1079
Qy	1084	TGATACCCAGATGACCTTCTAGGTCATCCAAAGACCAGAGCTTTTATAACTCATGGT	1143
Db	1080	TGATACCCAGATGACCTTCTAGGTCATCCAAAGACCAGAGCTTTTATAACTCATGGT	1139
Qy	1144	GGAGCCAAATGGCATCTATGAGGCAATCTACATGGGATCCCTATGTTGGGATTTCCCATTTG	1203
Db	1140	GGAGCCAAATGGCATCTACGAGGCAATCTACATGGGATCCCTATGTTGGGATTTCCCATTTG	1199
Qy	1204	TTTTGGGATCAACCTGATTAACATTTGCTCACAATGAAGCCAAAGGAGCAGCTGTTAGATTG	1263
Db	1200	TTTTGGGATCAACCTGATTAACATTTGCTCACAATGAAGCCAAAGGAGCAGCTGTTAGATTG	1259
Qy	1264	GACTTCAACATGTCGAGTACAGACCTGCTGATGCACTGAAGCAGAGTAATTAATGAT	1323
Db	1260	GACTTCAACATGTCGAGTACAGACTTGTGATGCACTGAAGCAGAGTAATTAATGAT	1319
Qy	1324	CTTTTATATAAGAGAAATATTAAGAAATTAAGAAATTAAGAAATTAAGAAATTAAGAAAT	1383
Db	1320	CTTTTATATAAGAGAAATTAAGAAATTAAGAAATTAAGAAATTAAGAAATTAAGAAAT	1379
Qy	1384	CCCTTGATCGACAGCTTTCTGGAATTTGTCATGCCCAACAAAGGAGCAGAAACAC	1443
Db	1380	CCCTTGATCGACAGCTTTCTGGAATTTGTCATGCCCAACAAAGGAGCAGAAACAC	1439
Qy	1444	CTTTCAGTTGTCAGCCCATGACCTCAGCTGTTCCAGTACCACTCTTTGGATGTATGGG	1503
Db	1440	CTTTCAGTTGTCAGCCCATGACCTCAGCTGTTCCAGTACCACTCTTTGGATGTATGGG	1499
Qy	1504	TTTCTGCTGGCTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGCTTTGT	1563
Db	1500	TTTCTGCTGGCTGTGGCAACTGTGATATTTATCGTCAAAATGTGTTGCTGTTTGT	1559
Qy	1564	TTCTGGAAGTTTCTAGAAAAGGAGAAAGGAAAGAGATTAGTTATGTTCTGACATTT	1623
Db	1560	TTCTGGAAGTTTCTAGAAAAGGAGAAAGGAAAGAGATTAGTTATGTTCTGACATTT	1619
Qy	1624	GAAGCTGGAAAACACATAGATAGGACAACTTCAGTTTATTTCCAGCAAGAAAGAAAGAT	1683
Db	1620	GAAGCTGGAAAACCTGATAGGTGAGACTACTTCAGTTTATTTCCAGCAAG-----AAAGAT	1674

Qy	1684	TGTTATGCAAGATTCTTTCTTCTGTGAC	1713	Qy	304	GATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAAAGAACAGAAATCC	363
Db	1675	TGTGATGCAAGATTCTTTCTTCTGTGAC	1704	Db	301	GATGGTCAGACCTTCCAAAAGATACATTTTGGTTATATTTTTCACAAAGTACAGAAATCA	360
RESULT 11							
US-10-843-641A-7205							
; Sequence 7205, Application US/10843641A							
; Publication No. US2005006454A1							
; GENERAL INFORMATION:							
; APPLICANT: Avalon Pharmaceuticals, Inc.							
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using							
; FILE OF INVENTION: Signature Gene Sets							
; FILE REFERENCE: 689290-189							
; CURRENT APPLICATION NUMBER: US/10/843,641A							
; CURRENT FILING DATE: 2004-05-12							
; PRIOR APPLICATION NUMBER: US/09/873,367							
; PRIOR FILING DATE: 2001-06-05							
; PRIOR APPLICATION NUMBER: US/09/954,531							
; PRIOR FILING DATE: 2001-09-18							
; PRIOR APPLICATION NUMBER: US/09/954,456							
; PRIOR FILING DATE: 2001-09-25							
; PRIOR APPLICATION NUMBER: US/09/962,436							
; PRIOR FILING DATE: 2001-09-25							
; PRIOR APPLICATION NUMBER: US/09/962,832							
; PRIOR FILING DATE: 2001-09-25							
; PRIOR APPLICATION NUMBER: US/09/964,824							
; PRIOR FILING DATE: 2001-09-27							
; PRIOR APPLICATION NUMBER: US/09/967,768							
; PRIOR FILING DATE: 2001-09-28							
; PRIOR APPLICATION NUMBER: US/09/968,007							
; PRIOR FILING DATE: 2001-10-02							
; PRIOR APPLICATION NUMBER: US/09/969,347							
; PRIOR FILING DATE: 2001-10-02							
; PRIOR APPLICATION NUMBER: US/09/969,708							
; PRIOR FILING DATE: 2001-10-03							
; Remaining prior Application data removed - See File Wrapper or PALM.							
; NUMBER OF SEQ ID NOS: 8447							
; SOFTWARE: PatentIn version 3.0							
; SEQ ID NO 7205							
; LENGTH: 1855							
; TYPE: DNA							
; ORGANISM: Homo sapiens							
; FEATURE:							
; NAME/KEY: misc feature							
; LOCATION: (1)..(1855)							
; OTHER INFORMATION: n=a,t,g or c							
US-10-843-641A-7205							
Query Match 84.6%; Score 1450; DB 21; Length 1855;							
Best Local Similarity 91.7%; Pred. No. 0;							
Matches 1568; Conservative 0; Mismatches 135; Indels 7; Gaps 3;							
Qy	4	GCATTGCACCAAGTACTCTGAAATGGACTTCAGTTCTTCTGCTGTATACATCTCCAGTT	63	Qy	1084	TGATATCCCAGAAATGACCTTCTAGGTCTCAAAAACACAGAGCTTTTATACTCATGGT	1143
Db	2	GCATTGCACCAAGTACTCTGAAATGGACTTCAGTTCTTCTGCTGTATACATCTCCAGTT	60	Db	1080	TGGATATCCCAGAAATGACCTTCTAGGTCTCAAAAACACAGAGCTTTTATACTCATGGT	1139
Qy	64	GTATCTTTAGCTCTGGAGTTGTGAAAAGTGTGTTGGTGGGCCGACAGATACAGCCATT	123	Qy	1144	GGAGCCAAATGGCAATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGCAATTC	1203
Db	61	TTTGCTTTAGCTCTGGGAAATTTGTGAAAAGTGTGTTGGTGGGCCGACAGATACAGCCATT	120	Db	1140	GGAGCCAAATGGCAATCTACGAGGCAATCTACCATGGGATCCCTATGGTGGGCAATTC	1199
Qy	124	GGATGAATATCAGACAACTCTGAAAGAGCTTGTTCAGAGAGGTTCATGAGTGAATCTGAC	183	Qy	1204	TTTGGGATCAACCTGATTAACATTGTCTCACAATGAAGCCAAAGGAGCAGCTGTTAGATTG	1263
Db	121	GGATGAATATCAGACAACTCTTGGATGAGCTTATTCAGAGAGGTTCATGAGTGAATCTGAC	180	Db	1200	TTTGGCCGATCAACCTGATTAACATTGTCTCACAATGAAGCCAAAGGAGCAGCTGTTAGATTG	1259
Qy	184	TGGCATCTTCAGCTTCCATCTCTTTTGTATCCCAATGATGCATCCACTCTTAAATTTGAAG	243	Qy	1264	GACTTCAACAAATGTGAGTACAGACCTGCTGAAATGCATCTGAAGACAGTAAATTAATGAT	1323
Db	181	TGGCATCTTCAGCTTCCATCTCTTTTGTATCCCAACTCATCCGCTCTTAAATTTGAAG	240	Db	1260	GACTTCAACAAATGTGAGTACAGACCTTGTCTGAAATGCATCTGAAGACAGTAAATTAATGAT	1319
Qy	244	TTTATCCATCATCTTTAACTAAACCTGAAATTTGAGAATATCATCATGCAACAGCTTGAAG	303	Qy	1324	CCTTTATATAAGAGAAATATTATGAAATTTCAAGAAATTTCAACATGATCAACAGTAAAG	1383
Db	241	TTTATCCATCATCTTTAACTAAACCTGAGTTGGAGAAATTTTCATCATGCAACAGATTAAGA	300	Db	1320	CCTTTATATAAGAGAAATTTTGAATTTTCAAGAAATTTCAACATGATCAACAGTGAAG	1379

QY 1384 CCCCTGGATCGAGAGTCTTCTGGATTGAATTTGTCATGCCCCACAAAGGAGCCAAACAC 1443
DB 1380 CCCCTGGATCGAGAGTCTTCTGGATTGAATTTGTCATGCCCCACAAAGGAGCTAAACAC 1439
QY 1444 CTTCCAGTTGCGCCCATGACCTCACCTGGTTCAGTAGCCACTCTTTGGATGTCATTGGG 1503
DB 1440 CTTCCGGTTGCGCCACGACCTCACCTGGTTCAGTAGCCACTCTTTGGATGTCATTGGG 1499
QY 1504 TTTCTGCTGGCGCTGTGTGGCAACTGTGTATATTTATCATCAAAAGTTTGTCTGTTGT 1563
DB 1500 TTCTGCTGGTCTGTGTGGCAACTGTGTATATTTATCGTCACAAAATGTGTCTGTTGT 1559
QY 1564 TTCTGGAAGTTTGTCTAGAAAAGGAAGGAAGGAAAAAGAGATTAGTTATGTCACATTT 1623
DB 1560 TTCTGGAAGTTTGTCTAGAAAAGGAAGGAAGGAAAAATAGTTATGTTATATCTCAGATT 1619
QY 1624 GAAGCTGGAACACAGATAGATAGCAAACTTCAGTTTATTTCCAGCAAGAAAGAAAGAT 1683
DB 1620 GAAGCTGGAACACCTGATAGGTGAGACTTTCAGTTTATTTCCAGCAAG-----AAGAT 1674
QY 1684 TGTATGCAAGATTCTTTCTCTCTGTGAC 1713
DB 1675 TGTATGCAAGATTCTTTCTCTCTGAGAC 1704

RESULT 12

US-10-205-522-39
; Sequence 39, Application US/10205522
; Publication No. US20030077629A1
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; TITLE OF INVENTION: 2B15 (UGT2B15) Genes
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/10/205,522
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: US/09/356,806
; PRIOR FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 1854
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (15)...(1584)
US-10-205-522-39

Query Match 84.3%; Score 1443.6; DB 14; Length 1854;
Best Local Similarity 91.5%; Pred. No. 0;

Matches 1564; Conservative 0; Mismatches 139; Indels 7; Gaps 3;

QY 4 GCATTGCACCAAGGATGACTCTGAAATGGACTTCAGTTCTTCTGCTGTATACATCTCCAGTT 63
DB 2 GCATTGCACCAAGGATGCTGTGAAATGGACTTCAGTTCTTCTGCTGTATACACTG-AGCT 60
QY 64 GTTACTTTAGCTCTGGGAGTTGTGAAAAGTGTGTTGTGGCGCCAGAAATACAGCCATT 123
DB 61 TTTGCTTTAGCTCTGGGAAATGTGAAAAGTGTGTTGTGGCGACGAGATACAGCCATT 120
QY 124 GGATGAATATGAACAACTCTGAAAGCTTGTTCAGAGAGTTCATGAGTACTGTAC 183
DB 121 GGATGAATATGAACAACTCTGATGAGCTTATTCAGAGAGTTCATGAGTACTGTAC 180
QY 184 TGGCATCTTCAGCTTCATCTTTTGTATCCCAATGATGATCCACTCTTAAATTTCAAG 243
DB 181 TGGCATCTTCAGCTTCATCTTTTGTATCCCAACTCATCTCGCTCTTAAATTTGAA 240

QY 244 TTTATCTACATCTTTAACTAAAACTGAATTTGAGAATATCATCATGCAACAGGTTAAGA 303
DB 241 TTTATCCCACTCTTTAACTAAAACTGAATTTGAGAATATTTATCATGCAACAGATTAGA 300
QY 304 GATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTCACAAGAACAAAGAAATCC 363
DB 301 GATGGTCAGACCTTCCAAAAGATACATTTTGGTTATATTTTCAAAAGTACAGAAATCA 360
QY 364 TGTGGGAATTTATGACATATTTAGAAACCTTCTGTAAAGATGTAGTTTCAAATAAAGAAAG 423
DB 361 TGTCAATATTTGGTGACATAACTAGAAAAGTTCTGTAAAGATGTAGTTTCAAATAAAGAAAT 420
QY 424 TTATGAAAACACTACAGAGCTCAAGATTTCACATCGTTTTCGAGATGCTGTTTCCCT 483
DB 421 TTATGAAAACACTACAGAGCTCAAGATTTCACATCGTTTTCGAGATGCTGTTTCCCT 480
QY 484 GTGTGAGCTGCTGGCTGCGCTACTTAAATACAGTTTGTGTACAGTCTCCGCTTTACTC 543
DB 481 GTAGTGAGCTGCTGGCTGAGCTATTTAAACATACCTTTGTGTACAGTCTCAGCTTCTCTC 540
QY 544 CTGGCTACAAATTTGAAAAGGCACAGTCGAGGACTGATTTTCCCTCTCTTACATACCTA 603
DB 541 CTGGCTACAAATTTGAAAAGGCATAGTCGAGGATTTATTTTCCCTCTCTTACGTACCTG 600
QY 604 TTGTTATGCAAAATTTAAGTGATCAAAATGATCTTCATGGAGAGGTTAAAAAATATGATCT 663
DB 601 TTGTTATGTCAGAAATTAACATGATCAAAATGATCTTCATGGAGAGGTTAAAAAATATGATCT 660
QY 664 ATGTGCTTTATTTTGACTTTTGGTTCCAAATGCTGATATGAAGAAGTGGGATCAGTTTT 723
DB 661 ATGTGCTTTATTTTGACTTTTGGTTCCAAATATTTGACATGAAGAAGTGGGATCAGTTTT 720
QY 724 ACAGTGAAGTTTGAAGAAGCCCACTACCTTATTTGAGACAAATGGGAAAAAGCTGACATAT 783
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QY 784 GGCTTATGCCAAACTCTCGAGATTTTCAATTTCTCTCATCTTCTTACCAAACTGTTGAT 843
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QY 844 TTGTTGGAGGATTTCCACTGGCAAACTGCCAAACCTTACCTAGGAAATGGAGAGGTTT 903
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QY 964 ATGACAGCAAAAAGGGCCAAATGTAATTTGCAACAGCCCTTGGCAAGATCCCAAAAAGGTT 1023
DB 960 ATGACAGCAAAAAGGGCCAAACGTAATTTGCAATGAGCCCTTGGCCCAAGATCCCAAAAAGGTT 1019
QY 1024 CTGTGGAGATTTGATGGGAATTAACAGATGCTTACCTTAGTCTCAATCTCCGCTGTATAG 1083
DB 1020 CTGTGGAGATTTGATGGGAATTAACAGATGCTTACCTTAGTCTCAATCTCCGCTGTATAG 1079
QY 1084 TGGATACCCCAAGATGACCTTTCTAGGTTCATCCAAAACACAGAGCTTTTATAACTCATGGT 1143
DB 1080 TGGATACCCCAAGATGACCTTTCTAGGTTCATCCAAAACACAGAGCTTTTATAACTCATGGT 1139
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QY 1204 TTTTGGGATCAACCTGATACATTTGCTCAGATGAGCCCAAGGAGAGCTGTTTAGATTG 1263
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QY 1505 TTCTGCTGGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTTGTCTGTTTGT 1564
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; Sequence 5514, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790CIP3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO 5514
; LENGTH: 1859
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIMILAR
; LOCATION: (1037)..(1084)
; OTHER INFORMATION: 93% homologous to Homo sapiens UDP-glucuronosyltransferase
; OTHER INFORMATION: (EC 2.4.1.17), accession number J05428, Smith-Waterman Score=83.
US-10-450-763-5514

Query Match 82.0%; Score 1404.4; DB 22; Length 1859;
Best Local Similarity 91.4%; Pred. No. 0;
Matches 1567; Conservative 0; Mismatches 136; Indels 11; Gaps 7;
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QY 64 GTTACTTTTACCTCTGGGAGTTGTGAAAAGTGTGTGGCGCCGAGAAATACAGCAATT 123
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Db 421 TTATGAAAAAAAGTACAAGAGTCAAGATTTTGACGTCAATTTTTCAGATGCTTATTTTCCCT 480
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QY 604 TTGTTATGTCAAAATTAAGTGATCAAAATGACTTTTTCATGGAGAGGGTAAAAAATATGATCT 663
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Db 601 TTGTTATGTCAAGAAATTAACGTATCAAAATGACTTTTTCATGGAGAGGGTAAAAAATATGATCT 660
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QY 724 ACAGTGAAGTTTTTAGGAAGACCCACTACCTTATTTGAGACAATGGGAAAGCTGACATAT 783
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Db 721 ATAGTGAAGTTCTAGGAAGACCCACTACGTTATCTGAGACAATGGGGAAGCTGACGTAT 780
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QY 784 GGCTTATGCAAACTCCTCGAGTTTTTCAATTTTCTCATCATTTTCAATTTTCAAAAAGCTTGATT 843
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QY 844 TTGTTGGAGGATTCACCTGCAAACTTCCCAACCCCTACCTAAGCAATGGAGGAGTTTT 903
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QY 904 GTACAGAGCTCTGGAGAAAATGGTGTGTGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 963
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Db 900 GTACAGAGCTCTGGAGAAAATGGT 959
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QY 964 ATGACAGCAGAAAGGGCCCAATGTAATTTGCAACAGCCCTTTCGCAAGATCCCAAAAAGGTT 1023
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QY 1024 CTGT-GGAGATTTGAT-GGGAATAAACAGATGCTTGGTCTCAATACTCGGCTGTATA 1081
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Db 1020 CTGTGGGAGATTTGATGGGAGTTAAACCCAGATACCTTTAGGTCTCAATACTCGGCTGTATA 1079
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QY 1140 TGTGGAGCAATGGCATCTATGAGCAATCTTACCATGGATCCCTATATGGTGGGATTC 1199
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OM nucleic - nucleic search, using sw model

Run on: October 11, 2005, 06:15:12 ; Search time 319 Seconds
(without alignments)
8786.652 Million cell updates/sec

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Perfect score: 1713

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Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1564.4	91.3	1708	4	US-09-949-016-2595
2	1519	88.7	1629	4	US-09-949-016-2596
3	1433.6	84.3	1854	4	US-09-356-806-39
4	1364.2	79.6	1832	4	US-09-949-016-2734
5	1354.2	79.1	2092	4	US-09-356-806-7
6	1349.4	78.8	2092	4	US-09-949-016-2594
7	1349.4	78.8	2092	4	US-09-949-016-3181
8	1343	78.4	2093	4	US-09-949-016-1128
9	1201.6	70.1	2107	3	US-09-180-852-1
10	1188.8	69.4	1976	4	US-09-356-806-112
11	1128.8	65.9	1413	3	US-09-813-918-1
12	1128.8	65.9	1413	4	US-10-060-311-1
13	941.8	55.0	1323	4	US-09-949-016-2735
14	941.8	55.0	1323	4	US-09-949-016-2736
15	742.8	43.4	2966	4	US-09-976-594-241
16	674.6	39.4	18373	4	US-09-949-016-14338
17	674.6	39.4	18452	4	US-09-949-016-14337
18	634.6	37.0	1001	4	US-09-671-317-403
19	602.6	35.2	1685	4	US-09-356-806-41
20	579.2	33.8	1323	4	US-09-356-806-1
21	579.2	33.8	19732	4	US-09-949-016-12870
22	579.2	33.8	19732	4	US-09-949-016-14923
23	579.2	33.8	19733	4	US-09-949-016-14336
24	520	30.4	20441	4	US-09-949-016-14476
25	491.4	28.7	2312	4	US-09-356-806-114
26	489.8	28.6	20599	4	US-09-949-016-14477
27	489.8	28.6	20599	4	US-09-949-016-14478

28 480.4 28.0 1001 4 US-09-671-317-412 Sequence 412, App
29 326.6 19.1 596 4 US-09-356-806-45 Sequence 45, Appl
30 320 18.7 1001 4 US-09-671-317-405 Sequence 405, App
31 319.4 18.6 2339 5 PCT-US92-00282-2 Sequence 2, Appl
32 299.6 17.5 2351 4 US-09-949-016-76 Sequence 76, Appl
33 299.6 17.5 2351 4 US-09-949-016-1813 Sequence 1813, Ap
34 298 17.4 2336 5 PCT-US92-00282-1 Sequence 1, Appl
35 266.2 15.5 1589 4 US-09-356-806-6 Sequence 6, Appl
36 265.8 15.5 735 4 US-09-305-856B-17 Sequence 17, Appl
37 264.2 15.4 1001 4 US-09-671-317-352 Sequence 352, App
38 263 15.4 1001 4 US-09-671-317-353 Sequence 353, App
39 263 15.4 1001 4 US-09-671-317-354 Sequence 354, App
40 246 14.4 978 4 US-09-356-806-118 Sequence 118, App
41 244.4 14.3 1001 4 US-09-671-317-427 Sequence 427, App
42 230 13.4 1001 4 US-09-671-317-424 Sequence 424, App
43 220.6 12.9 350 4 US-09-513-999C-3284 Sequence 3284, Ap
44 217 12.7 1001 4 US-09-671-317-428 Sequence 428, App
45 208.4 12.2 1001 4 US-09-671-317-404 Sequence 404, App

ALIGNMENTS

RESULT 1

US-09-949-016-2595
; Sequence 2595, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2595
; LENGTH: 1708
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2595

Query Match 91.3%; Score 1564.4; DB 4; Length 1708;
Best Local Similarity 96.0%; Pred. No. 0;
Matches 1638; Conservative 0; Mismatches 61; Indels 7; Gaps 3;

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Db 1 TGCACGAGGATGTTCTGAATCGGCTTCAGTTCTTCTGCTGATACATCT-CAGTTGTTA 59

Qy 68 CTTTAGCTCTGGGAGTTGTGCAAAAGTGTGGTGTGGCCGCGAGCAATACAGCCATTGGAT 127
Db 60 CTTTAGCTCTGGGAGTTGTGCAAAAGTGTGGTGTGGCCGCGAGCAATACAGCCATTGGAT 119

Qy 128 GAATATGAAGACAATCTCTGAAAGAGCTTGTTCAGAGAGGTCATGAGGTGACTGTACTGGC 187
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Qy 188 ATCTTCAGCTTCCATCTTTTTCATCCCAATGATGATCCACTCTTAAATTTGAAGTTTA 247
Db 180 ATCTTCAGCTTCCATCTTTTTCATCCCAAGCTCTTAACTTCGAAGTTTA 239

Qy 248 TCCTACATCTTTAACTAAAACTGAATTTGAGAATATCATATGCAACAGGTTTAAGAGATG 307
Db 240 TCCTACATCTTTAACTAAAACTGAATTTGAGAATATCGTCATGCAACAGGTTTAAGAGATG 299

Qy 308 GTCAGACATTCGAAAGAGATAGCTTTTGGTTATATATTTTTCACAGAACAGAAATCCTGTG 367


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Db 300 GGTGAGATTTCCAAAGATACATTTTGGTTATATTTTTCACAAAGCAAGAAATGCTGT 359
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Db 1619 GCTGGAAGAAC 1629

RESULT 3
US-09-356-806-39
; Sequence 39, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/09/356,806
; CURRENT FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 1854
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (15)...(1584)
; US-09-356-806-39

Query Match 84.3%; Score 1443.6; DB 4; Length 1854;
Best Local Similarity 91.5%; Pred. No. 0;
Matches 1564; Conservative 0; Mismatches 139; Indels 7; Gaps 3;

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Db 2 GCATTGCACGAGATGCTGTGAAATGGACTTTCAGTAAATTTTGTCTAATACACTG-AGCT 60
Qy 64 GTTACTTTAGCTCTGGGAGTTGTGAAAGTGTGGTGTGGCCGCGAGATACAGCCATT 123
Db 61 TTTGCTTTAGCTCTGGGAAATGTGGAAGGTTGGTGTGGGAGAGAAATACAGCCATT 120
Qy 124 GGATGAATATGAAGACAAATCCTGAAAGAGCTTTGTCAGAGAGGTCATGAGTGACTGTAC 183
Db 121 GGATGAATATGAAGACAAATCCTGATGAGCTTTATTCAGAGAGGTCATGAGTGACTGTAC 180
Qy 184 TGGCAATCTTCAGCTTCCATTTCTTTTGTGATCCCAATGATGCATCCACTTTAAATTTGAAG 243
Db 181 TGGCAATCTTCAGCTTCCATTTCTTTTGTGATCCCAAACTCATCCGCTCTTAAAAATTTGAA 240
Qy 244 TTTATCTTACATCTTTTAACTAAACTGAATTTTGAGATATCATCATCAACAGGTTAAGA 303
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Db	381	TCATGTGG	ACATTTAATGACATCTT	TAGAAGTTCTGTAAAGATATAGTTTCAAAATAAGA	440	
Qy	421	AAGTTATG	AAAAAACTACAAGAGT	CAAGATTTTGACATCGTTTTTGGCAGATGCTGTTTTTC	480	
Db	441	AACTATG	AGAAAACTACAGAGT	CAAGATTTTGATGTTGTTCTTTGACAGATGCTGTTTTTC	500	
Qy	481	CTGTGTG	TGAGCTGCTGGCTGCGCTACT	TAAACATACGGTTTGTGTACAGTCTCGGCTTTA	540	
Db	501	CCTTTGTG	TGAGCTGCTGGCGAGTTACT	TAAAAATACCCTTTGTGTACAGGCTCCGCTTCT	560	
Qy	541	CTCCTGGT	CTACAAATTTGAAAGGCACAGT	GGAGGACTGATTTTCCCTCCCTTCTCTACATAC	600	
Db	561	CTCCTGGT	CTAGCAATTTGAAAAGCATAGT	GGAGGACTTCTGTTCCCTCTCTTATGTGC	620	
Qy	601	CTATTGTT	TATGTCAAAATTAAGTGAT	CAAAATGACTTTTCATGGAGAGGGTAAAAAATAGA	660	
Db	621	CTGTTGTT	TATGTCAGAATAAGT	CACCAATGACTTTTCATAGAGAGGGTAAAAAATAGA	680	
Qy	661	TCATATG	TCCTTATTTTGGCTTTTGGTTTCCAAATG	CTGTATGCAAGAGTGGGATCAGT	720	
Db	681	TCATATG	TCCTTATTTTGGTTTCCAAATATTTTGACAT	GGAAGTGGGATCAGT	740	
Qy	721	TTTACAGT	GAAGTTTATAGGAAGACCCACT	TACTTTATTTTGAGACAATGGGAAAAAGCTGACA	780	
Db	741	TCACAGT	GAAGTTCTAGGAAGACCCACT	AGTTTATCTGAGACAATGCGAAAAAGCTGACA	800	
Qy	781	TATGGCTT	ATGCGAAACTCTCGGAGTTT	CNAATTTCTCATTCATCTTACCAAAAGTTG	840	
Db	801	TATGGCTT	ATTTGCAAACTACTGGGATTTT	CAATTTCTCTACCCCACTCTTACCAAAATGTTG	860	
Qy	841	ATTTTGTG	TGAGGATTCACATGGGCAAACT	CGCAAAACCCCTACCTAAGGAAATGGAGGAG	900	
Db	861	AGTTCTGT	TGGAGACTCCACT	GCNAACCTGCCAAACCCCTACCGAAGAAATGGAAGAG	919	
Qy	901	TTTGTACAG	AGCTCTGAGAAAAATGGTGT	TTGTGGTGTCTCTGGGGTCAGTGATAAGT	960	
Db	920	TTTGTCCAG	AGCTCTGAGAAAAATGGTGT	TTGTGGTGTCTCTCTGGGGTCCGATGGTCAGT	979	
Qy	961	AACATGAC	CAGCAGAAAGGCAATGTAA	TGCAACAGCCCTTGCACAGATCCCAACAAAG	1020	
Db	980	AACAGCT	CAGAAAGAGGCCAATGTAA	TGCAATGCACTCAGCCCTTGCACAGATCCCAACAAAG	1039	
Qy	1021	GTTCTGTG	GAGATTTGATGGGAAT	TAACACAGATGCCTTAGGTCTCAATCTCGGCTGTAT	1080	
Db	1040	GTTCTGTG	GAGATTTGATGGGAATAAAC	CCAGATATCTTTAGSACTCAATCTCGGCTGTAC	1099	
Qy	1081	AAGTGGAT	TACCCAGAAATGACCTTCT	AGGTCAATCCAAAAACAGAGCTTTTATACTCAT	1140	
Db	1100	AAGTGGAT	TACCCAGAAATGATCTT	CTTTGGTCAACCAAAAAACAGAGCTTTTATACTCAT	1159	
Qy	1141	GGTGGAGC	CAATGGCATCTATGAGGCAAT	CTTACCATGGGATCCCTATGTGGGGCATTTCCA	1200	
Db	1160	GGTGGAGC	CAATGGCAATCTATGAGGCAAT	CTTACCATGGGAATCCCTATGTGGGGGTCCA	1219	
Qy	1201	TTGTTTTG	GGATCAACCTGTATAACAT	TTGCTCACATGAAGGCCAAGGAGCAGCTGTTTAGA	1260	
Db	1220	TTGTTTTG	CAGATCAACCTGTATAACAT	TTGCAATGAAGGCCAAGGAGCAGCTGTTTAGT	1279	
Qy	1261	TTGACTT	CAACAGATGTCAGTACAGACT	GTGTAATGCACCTGAAGACAGTAAATTAAT	1320	
Db	1280	TTGACTT	CCACAGATGTCAGTACAGACT	TACTCAATGCACCTGAAGACAGTAAATTAAT	1339	
Qy	1321	GATCCTTT	TATATAAAGAGAAATAT	TATGAAATTTATCAAGAAATTCACATGATCAACCAAGTA	1380	
Db	1340	GATCCTTT	TATATAAAGAGAAATGCTAT	TGAAATTTATCAAGAAATTCATCATGATCAACCAAGTG	1399	

RESULT 6

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US-09-949-016-2594
; Sequence 2594, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2594
; LENGTH: 2092
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2594

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Query Match	78.8%	Score 1349.4;	DB 4;	Length 202;
Best Local Similarity	88.7%	Pred. No. 0;		
Matches 1519; Conservative	0;	Mismatches 186;	Indels 8;	Gaps 5;

[illegible]

Qy	301	AGAGATGGT	CAGACAT	TTCCGAAAG	NAGTAGCT	TTTGGTTAT	ATTTTTCACA	GAAACAAGAA	360
Db	321	AGAGATGGC	AGAACTT	CCAAAAG	ACATTTTGGT	CATATTTTTC	CAAGTACA	CAAGAA	380
Qy	361	TCCTGTGG	GAATTA	TATGACAT	ATTTAGAAA	CTTCTGT	ATAAGATG	TAGTTTCA	420
Db	381	TCATGTGG	ACATTTAA	TGACATA	CTTAGAA	AGTTCTGT	AGGATAT	TAGTTTCA	440
Qy	421	AAGTTATG	AAAAAA	CTACA	GAGTC	AAGATTG	TGACAT	TCGTTTTG	480
Db	441	AACTTATG	AAAAAA	CTAC	GAGTCA	AGATTG	TATGATTG	TCTTTC	500
Qy	481	CCTGTGGT	GAGCTC	TGCTG	CGCTACT	TAA	CATACGGTTT	TGTGTAC	540
Db	501	CCTTTGGT	GAGCTG	CTG	CGCGAGT	TACTTAA	AAATAC	CCCTTTGT	560
Qy	541	CTCCTGGT	CTACA	CAATTA	GAAAGG	CACAGT	TGGAG	ACTGATTTT	600
Db	561	CTCCTGGT	CTAGCA	AAATTA	GAAAGG	CATAGT	TGGAG	ACTTCTT	620
Qy	601	CTATGTAT	TATGTC	AAAAAT	TAA	TAGTGAT	CAAA	TGACTTTT	660
Db	621	CTGTGTAT	TATGAC	AACTA	TAGTGAC	CAAA	TGACTTTT	CATAGAG	680
Qy	661	TCATGTGC	TTTATTTT	TGACTTTT	TGGTTC	CAAA	TGCTGTG	ATATG	720
Db	681	TCTATGTG	CTTTATTTT	TGAAATTTT	TGGTTC	CAAA	TATTTG	CATGA	740
Qy	721	TTTACAGT	GAAATTTT	TAGGA	AGACCC	ACTACTT	TATTTG	GACAA	780
Db	741	TCTACAGT	GAAATTTT	TAGGA	AGACCC	ACTACTT	TATCTG	GACAA	800
Qy	781	TATGGCTT	ATGCG	AAATCT	CTCGG	AGTTTT	CAATTTCT	TCATC	840
Db	801	TATGGCTT	ATTCG	AAATCT	CTCGG	AGTTTT	CAATTTCT	CACCA	860
Qy	841	ATTTTGT	TGGAG	GAATTC	CACTG	GCAAA	CCCTG	CACAA	900
Db	861	AGTTCTGT	TGGAG	GAATTC	CACTG	GCAAA	CCCTG	CACAA	919
Qy	901	TTTGTAC	AGAGCT	CTG	GAGAAAT	TGGTGT	GTTGTTCT	CTG	960
Db	920	TTTGTCT	CAGAGCT	CTG	GAGAAAT	TGGTGT	GTTGTTCT	CTG	979
Qy	961	AACATG	CAGCAG	AAAGGG	CAATGT	TAAT	TGCAAC	AGCCCT	1020
Db	980	AACATG	CAGCAG	AAAGGG	CAATGT	TAAT	TGCAAC	AGCCCT	1039
Qy	1021	GTTCTGT	GAGATTT	TGATG	GGAATP	AAAC	CAGATG	CCCTTAG	1080
Db	1040	GTTCTGT	GAGATTT	TGATG	GGAATP	AAAC	CAGATG	CCCTTAG	1099
Qy	1081	AAGTGG	ATACCC	CAGATG	ACCTTCT	AGGTG	ATCC	AAAA	1140
Db	1100	AAGTGG	ATACCC	CAGATG	ATCTTCT	TGGT	CAC	AAAA	1159
Qy	1141	GGTGG	AGCCCA	ATG	GCACTT	CTAG	GGAAT	CCCTTAG	1200
Db	1160	GGTGG	AGCCCA	ATG	GCACTT	CTAG	GGAAT	CCCTTAG	1219
Qy	1201	TTGTTTT	TGGGAT	CAAC	CTGAT	TAA	CAATTTG	CTCA	1260
Db	1220	TTGTTTT	TGGGAT	CAAC	CTGAT	TAA	CAATTTG	CTCA	1279
Qy	1261	TTGGACTT	CAAC	CAATGT	GAGTAC	AGAC	CTGCTG	GAATG	1320
Db	1280	TTGGACTT	CAAC	CAATGT	GAGTAC	AGAC	CTTACT	CAATG	1339
Qy	1321	GATCCTTT	TATATA	AGAGAA	TATTTAT	TCA	AAATTTAT	CAAGAT	1380
Db	1340	GATCCTTT	TATATA	AGAGAA	TGCTTAT	TCA	AAATTTAT	CAAGAT	1399

RESULT 7

US-09-949-016-3181

US-09-343-018-3181
; Sequence 3181, Application US/09949016

; sequence 3101, App
; Patent No. 6812339; PATENT NO. 6812339
; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

APPLICANT: VENIER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

1 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
2 ;
3 ; TITLE OF INVENTION: WITH HUMAN DISEASE. METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CL001307

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; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/0

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; CURRENT FILING DATE: 2000-04-14

; CURRENT FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

PRIOR FILING

; NUMBER OF SEQ

; SOFTWARE: Fas

; SEQ ID NO 3181

; LENGTH: 2092

Query Match	78.8%	Score 1349.4;	DB 4;	Length 2092;
Best Local Similarity	88.7%	Pred. No. 0;		
Matches 1519; Conservative	0;	Mismatches 186;	Indels 8;	Gaps 5;

[illegible]

Qy	301	AGAGATGGTCAGACATTCGAAAAAGATAGCTTTTGGTTATATTTTTCACAAGAACAGAAA	360
Db	321	AGAGATGGGAGAACTTCCAAAAAGACACATTTTGGTCATATTTTTCACAAGTACAAGAAA	380
Qy	361	TCCTGTGGGAATTATATGACATATTTAGAAACTTCTGTAAGATGTAGTTTCAAAATAAGA	420
Db	381	TCATGTGGACATTTAATGACATCTTAGAAAGTTCTGTAAGGATATAGTTTCAAAATAAGA	440
Qy	421	AAGTTATGAAAAACTACAAGAGTCAAAGATTTGACATCGTTTTTTCAGAGTCTGTTTTTC	480
Db	441	AACTTATGAAGAACTACAGAGTCAAAGATTTGATGTGTTCTTTCGACAGTCTGTTTTTC	500
Qy	481	CTGTGTGTGAGCTGCTGGCTGCGCTACTTAACATACGGTTTGTGTACAGTCTCGGCTTTA	540
Db	501	CCTTGTGTGAGCTGCTGGCGAGTTACTTAAAAATACCCTTTGTCTACAGGCTCGGCTTCT	560
Qy	541	CTCTGCTCTACAAATTTGAAAGGCACAGTGGAGGACTGATTTTCCCTCCCTTCTCATACATC	600
Db	561	CTCTGCTACGCNATTTGAAAGCATAGTGGAGGACTTCTGTTCCCTCCTTCTATGTGC	620
Qy	601	CTATTGTTATGTCAAAAATTAAGTGATCAAAATGACTTTTCATGGAGAGGGTAAAAATATGA	660
Db	621	CTGTTGTTATGTCAGAACTAAGTGACCAAAATGACTTTTCATAGAGAGGGTAAAAAATATGA	680
Qy	661	TCATATGCTTTATTTTGTACTTTTGGTTTCCAAATGCTGATATGAAGAAGTGGGATCAGT	720
Db	681	TCATATGCTTTATTTTGAATTTTGGTTCCAAATATTTTGACATGAAGAAGTGGGATCAGT	740
Qy	721	TTTACAGTGAAGTTTTTAGGAAGCCCACTACCTTATTTTGACAAATGGGAAAAAGCTGACA	780
Db	741	TCTACAGTGAAGTTCTAGGAAGACCCACTACGTTATCTGAGACAAATGGCAAAAGCTGACA	800
Qy	781	TATGGCTTATGCGNAACTCTCTGGAGTTTTCAATTTCTCTCATCCATTTCTTACCAAAAGTTG	840
Db	801	TATGGCTTATTTGCAAACTACTCGGGATTTTTCAATTTTCTCACCCCACTTTTACCAAAATGTTG	860
Qy	841	ATTTTGTGTGAGGATTCACACTGGCAAACTCGCCAAACCCCTACCTAAGGAAATGGAGGAG	900
Db	861	AGTTCTGTGTGAGGACTCCACT-GCAAACTCTGCCAAACCCCTACCGAAGGAAATGGAAGAG	919
Qy	901	TTTGTACAGAGCTCTGGAGAAAAATGGTGTGTGTGGTGTGTTTTCTCTGGGGTCAGTGATAAGT	960
Db	920	TTTGTCCAGAGCTCTGGAGAAAAATGGTGTGTGTGGTGTGTTTTCTCTGGGGTCGATGGTCAGT	979
Qy	961	AACATGACGAGAAAGGGCCAAATGTAAATTTGCAACAGCCCTTGCACAGATCCCACAAAAG	1020
Db	980	AACACATCAGAANAAGGGCCAAATGTAAATTTGCATCAGCCCTTGCACAGATCCCACAAAAG	1039
Qy	1021	GTTCGTGGGAGATTTGATGGGAATAAACCCAGATGCTTTAGTGTCTCAATACTCGGCTGTAT	1080
Db	1040	GTTCGTGGGAGATTTGATGGGAATAAACCCAGATCTTTAGGACTCAATACTCGGCTGTAC	1099
Qy	1081	AAGTGGATACCCGAAATGACCTTCTAGGTCTATCCAAAAACCCAGAGCTTTTATAACTCAT	1140
Db	1100	AAGTGGATACCCGAAATGATCTTCTTGGTCACCCAAAAAACCCAGAGCTTTTATAACTCAT	1159
Qy	1141	GGTGGAGCCCAATGGCATCTTATGAGGCAATCTACCATGGGATCCCTATGTTGGGCAATCCCA	1200
Db	1160	GGTGGAGCCCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGTTGGGCGTTCCA	1219
Qy	1201	TTGTTTGGGATCAACTCTGATAACATTTGCTCAATGAAGGCCCAAGGAGCAGCTGTTTAGA	1260
Db	1220	TTGTTTGCAGATCAACCTGTATAACATTTGCACATGAAGGCCCAAGGAGCAGCTGTTTAGT	1279
Qy	1261	TTGAGCTTCAACACAAATGTCGAGTACAGACCTGCTGAATGCACCTGAAGACAGTAAATTAAT	1320
Db	1280	TTGAGCTTCCACACAAATGTCGAGTACAGACTTACTCAATGCATGAAGACAGTAAATTAAT	1339
Qy	1321	GATCCCTTTATATAAGAGAAATATTTATGAAATTTATCAAGAAATTCACAAATGATCAACCAAGTA	1380
Db	1340	GATCCCTTTATATAAGAGAAATGCTATGAAATTTATCAAGAAATTCATCATGATCAACCAAGTG	1399

RESULT 8

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RES001 8
US-09-949-016-1128
; Sequence 1128, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: fastSEQ for Windows Version 4.0
; SEQ ID NO 1128
; LENGTH: 2093
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-1128

```

Query Match	78.4%	Score 1343	DB 4	Length 2093
Best Local Similarity	88.4%	Pred. No. 0		
Matches 1515	Conservative	0	Mismatches 190	Indels 8
				Gaps 5

Qy	1	ATCGCATTCGACACGAGTATGACTCGAAATGGACTTCAGTTCCTGCTGCTATACATCTCCCA	60
Db	22	ATTGCAITGTCATCAGGATGTCTATGAATATGGACTTCAGCTCTTCTGCTGATACAGCT - GA	80
Qy	61	GTGTGTTACTTTTAGCTCTGGGAGTTGTGCGAAAAGTCTGGTGTGGGCGCAGAAATACAGCC	120
Db	81	CTGTGTTACTTTAGCTCTGGGAGTTGTGCGAAAAGTCTGGTGTGGCCACAGAAATTCAGCC	140
Qy	121	ATTGGATGAATATGAGACAAATCCTGAAAGAGCTTTGTCAGAGAGGTCATGAGTGACTG	180
Db	141	ACTGGATGAATATAAGACAAATCCTGGATGAACTTGTCCAGAGAGGTCATGAGGTGACTG	200
Qy	181	TACTGGCATCTTCAGCTTCCTATCTTTTGATCCCAATGATGCATCCACTCTCTTAAATTTG	240
Db	201	TATTGGCATCTTCAGCTTCCTATCTTTTCGATCCCAACAGCCCACTACTCTTAAATTTG	260
Qy	241	AAGTTTATCTCATCTTTAACTAAAACCTGAAATTTGAGAAATATCATCATGCAACAGGTTA	300
Db	261	AAGTTTATCTGATCTTTTAACTAAAACCTGAGTTTGAGGATATTATCAAGCAGCTGGTTA	320

[illegible]

	Qy	1381	AAGCCCTCGATGACGACGACTTCTCGATTGAATTTGTCAATGCCCCACAAGAGGCCAAA	1444
	Db	1400	AAGCCCCCTTGATCGAGCAGCTCTTCGGATTGAATTTGTCAATGGCCATAAAGAGGCCAAG	1459
	Qy	1441	CACCTTCGAGTTCGACGCCCATGACCCTCACCTGGTCCAGTACCACCTCTTTGGATGTGATT	1500
	Db	1460	CACCTTCGGGTTCGAGCCCAAGACCTCACCTGGTCCAGTACCACCTCTTTGGATGTGACT	1519
	Qy	1501	GGGTTTTCTGCTGGCGTGTGTGGCAACTGTGCATATTTATCATCAAAAGTTTTCTCTGTTT	1560
	Db	1520	GGGTTCTGCTGGCGTGTGTGGCAACTGTGCATATTTATCATCAAA--ATGCTCTGTTT	1576
	Qy	1561	TGTTTCTGGAAGTTTGTCTAGAAAAAGGGAAGGAAAAAGAGATTAGTTATCTCTGACA	1620
	Db	1577	TGTGCTGGAAGTTTGTTAGAACAGGAAGAAGGGGAAGAGATTAAATACCTCTGAGG	1636
	Qy	1621	TTTGAAGCTGGAAAAACAGATAGATAGGACAACTTCAGTTTATTCGACGAAGAAAAA	1680
	Db	1637	CTGGAAGCTGGAAAAACCAATAAT-GAACTCCTTTAGTTTATTACAACAAGAA--GACG	1693
	Qy	1681	GATTGTTATGCAAGATTCTTTCTCTCTGTGAC	1713
	Db	1694	TTGTGATACAAGAGATTCTTTCTCTCTGTGAC	1726
	 RESULT 9 US-09-180-852-1 ; Sequence 1, Application US/09180852 ; Patent No. 6287834 ; GENERAL INFORMATION: ; APPLICANT: BELANGER, Alain ; APPLICANT: HUM, Dean W. ; APPLICANT: BEAULIEU, Martin ; APPLICANT: LEVESQUE, Eric ; TITLE OF INVENTION: CHARACTERIZATION AND USE OF AN ISOLATED URIDINE ; TITLE OF INVENTION: DIPHOSPHO-GLUCURONOSYLTRANSFERASE ; FILE REFERENCE: 1259-449 ; CURRENT APPLICATION NUMBER: US/09/180,852 ; CURRENT FILING DATE: 1999-02-08 ; EARLIER APPLICATION NUMBER: PCT/CA97/00328 ; EARLIER FILING DATE: 1997-05-16 ; EARLIER APPLICATION NUMBER: US 08/649,319 ; EARLIER FILING DATE: 1996-05-17 ; NUMBER OF SEQ ID NOS: 2 ; SOFTWARE: PatentIn Ver. 2.0 ; SEQ ID NO 1 ; LENGTH: 2107 ; TYPE: DNA ; ORGANISM: Homo sapiens ; FEATURE: ; NAME/KEY: CDS ; LOCATION: (52) ..(1644) US-09-180-852-1			

Query Match	70.1%	Score 1201.6	DB 3	Length 2107
Best Local Similarity	83.6%	Pred. No. 0		
Matches 1435	Conservative 0	Mismatches 269	Indels 12	Gaps 6
Qy	1	ATCGCATTGCACACAGGATGACTCGAAATCGACTTCAGTTCTTTCTGCTGATACATCTCCCA	60	
Db	36	ATTGCATTAAGACACAGGATGCTCTGAAATGGATGTCAGTCTTTCTGCTGATGAGCT-CA	94	
Qy	61	GTTGTTTACTTTAGCTCTGGGAGTTGTGGAAAAGTGCTGTGTGGCGCGCAGAAATACAGCC	120	
Db	95	GTTGTTTACTTTAGCTCTGGGAGTTGTGGAAAAGTTGTGTGTGGCGCCACAGAAATACAGCC	154	
Qy	121	ATTGGATGAATATGAACACAATCCTGAACAGACTTGTTCAGAGAGGTCATGAGGTGACTG	180	
Db	155	ATTGGATGAATATGAACACAATCCTGAAGAGCTTGTTCAGAGGGTTCATGAGGTGATTG	214	
Qy	181	TACTGGGATCTTCAGCTTCCATCTTTTTGATCCCAATGATGCATCCACTCTTTAAATTTG	240	
Db	215	TGTTGACATCTTCGGCTTCTATTCTTCGTAATGCAGCTAAATCATCTGCTATTAAATTTAG	274	

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Qy 241 AAGTTATCTTACATCTTTTAACTAAACTGAAATTTGAGAATATCATCATCAACAGGTGA 300
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 275 AAGTTATCTTACATCTTTTAACTAAATAATGATTTGGAAGATTTTATGAAATGTTGCG 334
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 301 AGAGATGGTCAGA---CAATTCGAAGAGATAGCTTTTGGTTATATTTTTCAGAACAAG 357
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 335 ATAGATGGACATATAGTAATTTTCAAAAATAATCATTTTGGTCATATTTTTCACAACTACAAG 394
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 358 AAATCTCTGGGAATATATGACATATTTAGAACTTCTGTAAAGATGTAGTTTCAATA 417
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 395 AATTGCTTGGGAATATTTCTGACTATATATTAAGCTCTGTGAAGATGCAATTTTGAACA 454
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 418 AGAAAGTTATGAATAAACTACAAGAGTCAAGATTTGACATCGTTTTCGAGATGCTGTTT 477
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 455 AGAAACTTATGAGAAAACTACAAGAGTCAAAAATTTGATGCTTCTGCGAGATGCCGTTA 514
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 478 TTCCCTGTGTGAGCTCTCGCTGCGCTACTTAAACATACAGGTTTGTGTACAGTCTCGCT 537
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 515 ATCCCTGTGTGAGCTCTCGCTGAACTACTTAAACATACACCTTTCTGTACAGTCTCGCT 574
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 538 TTACTCTCTGCTACACAAATTTGAAGGCACAGTGGAGGACTGATTTTCCCTCCTTCTTACA 597
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 575 TCTCTGTGTGCTACACAGTTTGAGAAGATGGTGAGGATTTCTGTTCCCTCCTTCTTATG 634
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 598 TACCTATTTGTATGTCAAAATTTAAGTGATCAAAATGACTTTTCATGGAGAGGGTAAAAATA 657
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 635 TACCTGTTGTTATGTGACAAATTAAGTGATCAAAATGATTTTCATGGAGAGGATAAAAAATA 694
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 658 TGATCTATGTCTTTATTTGACTTTTGGTTTCCAAATGCTGTATATGAAGAATGGGATC 717
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 695 TGAATATATATGCTTTATTTGACTTTTGGTTTCAAGCATATGATCTCAAGAATGGGACC 754
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 718 AGTTTACAGTGAAGTTTATAGGAAGCCACTACTCTTTATTTGAGACAAATGGGAAAGCTG 777
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 755 AGTTTATAGTGAAGTTTCTAGGAAGCCCACTACATATTTTGAGACAATGGGAAAGCTG 814
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 778 ACATATGGCTTATGCGAAACTCTCTGGAGTTTCAATTTCTCTCAATTCCTTACCAAAAG 837
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 815 AAATGTGGCTCATTCGAACCTATTGGGATTTGAAATTTCTCGCCCAATCTTACCAAAAG 874
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 838 TTGATTTTGTGGAGGATTCACCTGGCAAACTCTGCCAAACCCCTACCTAAGAAATGGAG 897
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 875 TTGATTTTGTGGAGGACTTCACT-GTAAACCAAGCCAAACCCCTTGCCTAAGAAATGGAA 933
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 898 GAGTTTGTACAGAGCTCTGGAGAAATGGTGTGGTGTCTCTGGGCTCAGTGATA 957
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 934 GAGTTTGTGAGAGCTCTGGAGAAATGGTATTTGTGTGTTTCTCTGGGGTCTGATGATC 993
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 958 AGTAACTGACAGCAAGAAAGGGCCAAATGTAATTCGAACAGCCCTTGCCAAAGATCCCAAA 1017
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 994 AGTAACTGTCAGAAAGAGTGCCAAACATGATTTGCATCAGCCCTTGCCAGATCCCAAA 1053
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1018 AAGTTCTGTGGAGATTTGATGGGAATAAACAGATAGCCCTTAGGTCTCAATATCTCGGCTG 1077
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1054 AAGTTCTATGGAGATTTGATGGCAAGCAAAATACTTTAGTTTCCAATCTCAGCTG 1113
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1078 TATAAGTGGATACCCAGAGATGACCTTAGGTTCATCCAAACCAAGAGCTTTTATAACT 1137
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1114 TATAAGTGGTTACCCAGAGATGACCTTCTTGGTTCATCCCAAAACCAAGCTTTTATAACT 1173
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1138 CATGGTGGAGCCAATGCACTCTATGAGGCAATCTACCATGGGATCCCTATGTTGGGCATT 1197
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1174 CATGGTGAACCAATGCACTCTATGAGCGCATCTACCATGGGATCCCTATGTTGGGCATT 1233
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1198 CCAATGTTTGGGATCAACCTGATAACAATTTGCTCACATGAAGGCCAAGGAGCAGCTGTT 1257
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1234 CCCTTGTGCGGATCAACATGATAACATTTGCTCACATGAAAGCAAGGAGCAGCCCTC 1293
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1258 AGATTGACACTCAACAAATGTCGAGTACAGACCTGCTGAATGCACACTGAAGACAGTAATT 1317
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1294 AGTGTGACATCAGGACCATGTCAAGTAGAGATTTGCTCAATGCATTTGAAGTCAGTCATT 1353
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
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Qy 1318 AATGATCCTTTATATAAAGAGAAATATTAAGAAATTAACAAGAAATCAACATGATCAACCA 1377
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1354 AATGACCCCTATCTATAAAGAGAAATATCATGAAATTAACAAGAAATTCATCATGATCAACCG 1413
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1378 GTAAGCCCTCGATCGAGCAGTCTTCTCGATTGAAATTTGTCTATGCCCAACAAAGAGGCC 1437
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1414 GTGAAGCCCTCGATCGAGCAGTCTTCTCGATTGAGTTGTCTATGCCCAATAAAGAGGCC 1473
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1438 AAACACTTTCGAGTTTCAGCCCATGACCTCACCTGGTTCAGTACCACCTCTTTGGATGTG 1497
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1474 AAGCACTTCGGGTGCGAGCCCAACACCTCACCTGGATCCAGTACCACCTCTTTGGATGTG 1533
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1498 ATTGGGTTTCTGCTGCGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTG 1557
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1534 ATAGCATTTCTGCTGCGCTGCGTGGCAACTATGATATTTATGATCACAATAATGTGCGCTG 1593
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1558 TTTTGTGTTCTGGAAGTTTCTAGAAAAGGGAAGGAAAAGAGATTGATTGTCTG 1617
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1594 TTTTGTTCGGAAGCTTGC AAAACAGGAAGAAAGAAAGAGGATTAGTTATATCAA 1653
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1618 ACATTTGAAGCTGGA AAAACAGATAGATAGGACAACTTCAGTTTATTTCCAGCAAGAAAGA 1677
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1654 AAGCCTGAAG-TGGAATGACCAAAAGATGGGACTCTCTCC--TTTATTCAGCATGGAGG- 1709
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1678 AAAGATTGTTATCAAGATTTCTTCTCTCTGTGAC 1713
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 1710 ---GTTTAAATGGAGGATTTCTTTTCTCTGCGAC 1742
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 10
US-09-356-806-112
; Sequence 112, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; FILE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; TITLE OF INVENTION: 2B5 (UGT2B5) Genes
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/09/356,806
; CURRENT FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 112
; LENGTH: 1976
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (11)....(1598)
; US-09-356-806-112

Query Match 69.4%; Score 1188.8; DB 4; Length 1976;
Best Local Similarity 83.1%; Pred. No. 0;
Matches 1417; Conservative 0; Mismatches 277; Indels 12; Gaps 5;

Qy 11 ACCAGATGACTCTGAAATGGACTTCAGTTCTTCTGCTGATACATCTCCAGTTGTACTTT 70
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 5 ACCAGATGCTCTGAAATGGAGCTCAGTCTTTCTGCTGATACAGCT-CAGTTGTACTTT 63
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 71 TAGCTCTGGAGTTGTGGAAAAGTGTGTGGGCGGAGAAATACAGCCATTGGATGAA 130
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 64 TAGCTCTGGAAGCTGTGGAAAGGTGTGTGTGGCCACAGAAATACAGCCATTGGATGAA 123
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 131 TATGAAGCAATCCTCAAAAGAGCTTGTTCAGAGAGGTTCATGAGGTGACTGTACTTGGCATC 190
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 124 TATGAAGCAATCCTGGAAGAGCTTGTTCAGAGGGGTTCATGAGGTGACTGTGTGACATC 183
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 191 TTCAGCTTCATTTCTTTTGTATCCCAATGATGCATCCACTTTTAAATTTGGAAGTTTATCC 250
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
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Db 184 TTGCGCTTCTACTCTTGTCAATGCCAGTAATCATCTGCTATTAAATTAGAAAGTTTATCC 243
Qy 251 TACATCTTTAACTAAACTGAATTTGGAATATCATCATGCAACAGGTTAAGAGATGG-- 308
Db 244 TACATCTTTAACTAAATAATGATTTGGAAGATCTCTCTGTAATAATCTCGATAGATGGAT 303
Qy 309 -TCAGACATTCGAAAGATAGCTTTTGGTTATATTTTTCACAAGAACAGAAATCCTGTG 367
Db 304 ATATGGTGTTCAAAAAATACATTTTGGTCAATTTTTCACAATTACAAGAAATTTGTGTG 363
Qy 368 GGAATATTATGACATATTTAGAAACTCTCTGTAAGATGTAGTTTCAATATAGAAAGTTAT 427
Db 364 GGAATATTATGACTACAGTAACAAGCTCTGTAAGATGCAGTTTGAATAAGAATCTAT 423
Qy 428 GAAAAAACTACAAGATCAAGATTTGACATCGTTTTTTCAGATGCTGTTTTTCCCTGTGG 487
Db 424 GATGAAACTACAAGAGTCAAAAGTTTGATGTCAITCTGCGAGATGCCCTTAATCCCTGTGG 483
Qy 488 TGAGCTGCTGGCTCGCTTACTTAACATACGGTTTGTGTACAGTCTCCGCTTTACTCTCTGG 547
Db 484 TGAGCTACTGCTGAACTATTTTAACATACCCCTTTCTGTACAGTCTTTCGATTTCTGTGG 543
Qy 548 CTACACAAATTTGAAAGGCACAGTGGAGGACTGATTTTCCCTCCTTCTACATACCTATTTGT 607
Db 544 CTACACATTTTGAGAAGAAATGGTGGAGGATTTCTGTCCCTCCTTCTATGTACCTGTGT 603
Qy 608 TATGTCAAAATTAAGTGAATCAAAATGACTTTCATCGAGAGGGTAAAAATATGATCTATGT 667
Db 604 TATGTCAGAATTAAGTGATCAAAATGATTTTTCATGGAGAGGATAAAAAATATGATACATAT 663
Qy 727 GCTTTATTTTACATTTTGGTTCCAAATGCTCGATATGAAGAGTGGGATCAGTTTTACAG 727
Db 664 GCITTTATTTTACATTTTGGTTTCAAAATTTATGATCTGAAGAGTGGGACCAAGTTTTATAG 723
Qy 728 TGAAGTTTGTAGGAAGACCCACTACTCTTATTTGAGACAAATGGGAAAGCTGACATATGGCT 787
Db 724 TGAAGTTCTAGGAAGACCCACTACTATTTTGAAGCAATGGGAAAGCTGAAATGTGGCT 783
Qy 788 TATCGGAAATCTCTGGAGTTTTCAAATTTCCATCTCAATCTTACCAACGTTGATTTGT 847
Db 784 CATTCGAACCTTATTTGGGATTTTGAATTTCTCTCGGCCATTTCTTACCAATGTGATTTGT 843
Qy 848 TGGAGGATTCACATGGCAACCTGCCAAACCCCTACTTACGAAATGGAGGTTTGTAC 907
Db 844 TGGAGGACTTTCACAT-GTAAACAGCAACCCCTGCCCTTAAGGAAATGGAAGGTTTGTGC 902
Qy 908 AGAGCTCTGGAGAAATAGTGTCTGTGTGTTTCTCTGGGTCAGTGAATGAATGAATGA 967
Db 903 AGAGCTCTGGAGAAATAGTATTTGTGTGTTTCTCTGGGTCGATGATCAGTAAACATGT 962
Qy 968 CAGCAGAAAGGGCCAAATGTAAATTCGAAACAGCCCTTGCAGATCCCAACAAAGGTTTCTGT 1027
Db 963 CAGAAAGAAAGTGCCAAACATGATTCATCAGCCCTTGCAGATCCCAACAAAGGTTTCTAT 1022
Qy 1028 GGAGATTTGATGGGAAATTAACCAAGATGCCTTAGTCTCAATCTCTGGCTGTATAGTGA 1087
Db 1023 GGAGATTTGATGGCAAGAGCCAAATATCTTTAGGTTCCAAATCTACTCGACTGTACAAGTGGT 1082
Qy 1088 TACCCCAAGATGACCTTCTAGGTCAATCCAAACACAGAGCTTTTATAACTCATGCTGGAG 1147
Db 1083 TACCCCAAGATGACCTTCTAGGTCAATCCAAACACAGAGCTTTTATAACTCATGCTGGAA 1142
Qy 1148 CCAATGSCATCTATGAGGCAATCTACCATGGATTCCTTATGGTGGCAATTCATTTGTTTT 1207
Db 1143 CCAATGSCATCTATGAGGCGATCTACCATGGATTCCTTATGGTGGCAATTCCTTTGTTG 1202
Qy 1208 GGGATCAACCTGATAAATGCTCACAATGAAGGCAAGGAGGAGCTGTAGATTGAGCT 1267
Db 1203 GGGATCAACATGATAAATGCTCACAATGAAGGCAAGGAGGAGGAGCTGTAGATTGAGCT 1262
Qy 1268 TCAACACAATGTGAGTACAGACCTGCTGATGACCTGAAGACAGTAAATTAATGATCCTT 1327
Db 1263 TCAGGACCATGTCAAGTAGAGATTTTGTCTCAATGCAATTTGAAGTCAATTAATGACCCCTG 1322
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Qy 1328 TATATAAGAGAAATATTATGAAATTTCAAGAAATTCACAAATGATCAACAGTAAAGCCCC 1387
Db 1323 TCTATAAGAGAAATGTTCATGAAATTTATCAAGAAATTCATGACCAACCAATGAAGCCCC 1382
Qy 1388 TGATCCAGCAGCTCTCTGGATTCGAATTTGTATGCCCCCAAAAGGAGCCAAACACCTTC 1447
Db 1383 TGGATCAGCAGCTCTCTGGATTCGAATTTGTATGCCCCCAAAAGGAGCCAAACACCTTC 1442
Qy 1448 GAGTTGAGCCCATGACCTCACCTGGTTCCAGTACCACCTCTTTGGATGTGATTTGGTTTC 1507
Db 1443 GAGTCGAGCTCAACACCTCACCTGGATCCAGTACCACCTCTTTGGATGTGATGACATTC 1502
Qy 1508 TGCTGGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTTTGTTTTCT 1567
Db 1503 TGCTGGCTGTGTGGCAACTGTGATATTTATCATCAAAATTTTGCCTGTTTTGTTTTCT 1562
Qy 1568 GGAAGTTTGTAGAAAAAGGGAAGGAAAGGAAAGAGATTTAGTTATGCTGACATTTGAAG 1627
Db 1563 GAAAGCTTGCATAAAGAGGAAAGGAAAGAGATTTAGTTATATCAAAAGCCTGAAG 1622
Qy 1628 CTGAAAAACAGATAGATAGGACAACTTCAGTTTATTTCCAGCAAGAAAGAAAGATTGTT 1687
Db 1623 -TGAATGACTGAAAGATGGACTCCTCTCTTATTT-----CAGCATGGAGGTTTTAA 1675
Qy 1688 ATGCAAGATTTCTTTCTCTCTGTGAC 1713
Db 1676 ATGGAGGATTTCTCTTTTCTCTGTGAC 1701
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RESULT 11

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US-09-813-918-1
; Sequence 1, Application US/09813918
; Patent No. 6383789
; GENERAL INFORMATION:
; APPLICANT: WEBSTER, Marion et al.
; TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS.
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL001175
; CURRENT APPLICATION NUMBER: US/09/813,918
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1413
; TYPE: DNA
; ORGANISM: Human
US-09-813-918-1
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Query Match 65.9%; Score 1128.8; DB 3; Length 1413;
Best Local Similarity 85.4%; Pred. No. 0;
Matches 1393; Conservative 0; Mismatches 12; Indels 227; Gaps 3;
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Qy 1 ATCGCATTCACCAAGGATGACTCTGAAATGGACTTCAGTTCTCTCTGTGATACATCTCCA 60
Db 7 ATCACATTCACCAAGGATGACTCTGAAATGGACTTCAGTTCTCTCTGTGATACATCT-CA 65
Qy 61 GTTGTACTTTTACTCTCTGGAGTTGTGAAAGTCTGTGGCGCCGAGAAATACAGCC 120
Db 66 GTTGTACTTTTACTCTCTGGAGTTGTGAAAGTCTGTGGCGCCGAGAAATACAGCC 125
Qy 121 ATTGGATGAATATGAAGACAACTCTGAAAGAGCTTTGTTTCAGAGAGGTCATGAGTGACTG 180
Db 126 ATTGGATGAATATGAAGACAACTCTGAAAGAGCTTTGTTTCAGAGAGGTCATGAGTGACTG 185
Qy 181 TACTGGCATCTTCAGCTTCCATTTCTTTTGTATCCCAATGATGCACCTCTTAAATTTG 240
Db 186 TACTGGCATCTTCAGCTTCCATTTCTTTTGTATCCCAATGATGCACCTCTTAAATTTG 245
Qy 241 AGTTTATCTTACATCTTTTAACTAAACTGAATTTGAGAATATCATCATGCAACAGGTTA 300
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Db 246 AAGTTTATCTCATCTTTTAACTAAAACTGAAATTTGAGAAATATCATCATGCAACAGGTTA 305
Qy 301 AGAGATGGTCAGACATTCGAAAGAGATAGCTTTTGGTTATATTTTTCACAAGAAACAAGAAA 360
Db 306 AGAGATGGTCAGACATTCGAAAGAGATAGCTTTTGGTTATATTTTTCACAAGAAACAAGAAA 365
Qy 361 TCTGTGGGAATTTATGACATATTTTAGAAACCTTCTGTAAAGATGTAGTTTCAAAATAAGA 420
Db 366 TCTGTGGGAATTTATGACATATTTTAGAAACCTTCTGTAAAGATGTAGTTTCAAAATAAGA 425
Qy 421 AAGTTATGAAAACTACAGAGTCAAGATTTGACATCGTTTTCGAGATGCTGTTTTC 480
Db 426 AAGTTATGAAAACTACAGAGTCAAGATTTGACATCGTTTTCGAGATGCTGTTTTC 485
Qy 481 CCTGTGTGAGCTGCTGCTGCTGCTACTTAACATACGTTTGTGTACAGTCTCGCTTTTA 540
Db 486 CCTGTGTGAGCTGCTGCTGCTGCTACTTAACATAC----- 521
Qy 541 CTCTGTGCTACAAATTTGAAAGGCACAGTGGAGGACTGATTTTCCCTCTCTCTACATAC 600
Db 522 ----- 521
Qy 601 CTATTGTTATGTCAAAATTAAGTGATCAAAATGACTTTTCATGGAGAGGTTAAAAAATATGA 660
Db 522 ----- 521
Qy 661 TCTATGTGCTTTATTTTGAAGTCTTTTGGTTCCAAATGCTGATATGAAGAAGTGGGATCAGT 720
Db 522 ----- 521
Qy 721 TTTCAGATGAAGTTTATAGGAAGCCCACTACTTATTTAGACAAATGGGAAAAAGCTGACA 780
Db 522 -----GACCCACTACCTTATTTGAGACAAATGGGAAAAAGCTGACA 560
Qy 781 TATGGCTTATGCAAACTCTGAGAGTTTCAATTTCTCATCTTCTTACCAAAAGCTTG 840
Db 561 TATGGCTTATGCAAAACCCCTGAGGTTTTCATTTCTCATCTTCTTACCAAAAGCTTG 620
Qy 841 ATTTTGTGGAGATTCCACTGCAAACTGCAAAACCCCTACTTAAGGAAATGGAGGAG 900
Db 621 ATTTTGTGGAGATTCCACT-GCAAACTGCAAAACCCCTACTTAAGGAAATGGAGGAG 679
Qy 901 TTTGTACAGAGCTCTGAGAAAAATGGTTGTGGTGTCTTCTGCGGTCAGTGATAAGT 960
Db 680 TTTGTACAGAGCTCTGAGAAAAATGGTTGTGGTGTCTTCTGCGGTCAGTGATAAGT 739
Qy 961 AACATGACAGCAGAAAGGGCCAAATGTAATTTGCAACAGCCCTTCCCAAGATCCCAAAAAG 1020
Db 740 AACATGACAGCAGAAAGGGCCAAATGTAATTTGCAACAGCCCTTCCCAAGATCCCAAAAAG 799
Qy 1021 GTTCTGTGGAGATTGATGGGAATAAACAGATGCGCTTAGTGTCTCAATACTCGGCTGTAT 1080
Db 800 GTTCTGTGGAGATTGACGGGAATAAACAGATGCGCTTAGTGTCTCAATACTCGGCTGTAT 859
Qy 1081 AAGTGGATACCCAGAAATGACCTTCTAGGTGTCATCCAAAAACAGAGCTTTTATAACTCAT 1140
Db 860 AAGTGGATACCCAGAAATGACCTTCTAGGTGTCATCCAAAAACAGAGCTTTTATAACTCAT 919
Qy 1141 GGTGGAGCCAAATGGCATCTATAGGCAATCTACCATGGGATCCCTATGGTGGGCATTTCCA 1200
Db 920 GGTGGAGCCAAATGGCATCTATAGGCAATCTACCATGGGATCCCTATGGTGGGCATTTCCA 979
Qy 1201 TTGTTTGGGATCAACTGATTAACATTGTCTACATGAAGCCCAAGGAGCAGCTGTTTGA 1260
Db 980 TTGTTTGGATCAACTGATTAACATTGTCTACATGAAGCCCAAGGAGCAGCTGTTTGA 1039
Qy 1261 TTGGACTTCAACAAATGTGAGTACAGACCTCTGTAATGCACTGAAGACAGTAAATTAAT 1320
Db 1040 TTGGACTTCAACAAATGTGAGTACAGACCTCTGTAATGCACTGAAGACAGTAAATTAAT 1099
Qy 1321 GATCCTTTATATAAGAGAAATATATGAAATTTATCAAGAATTCAAATGATCAACAGTA 1380
Db 1100 GATCCTTTATATAAGAGAAATATATGAAATTTATCAAGAATTCAAATGATCAACAGTA 1159

RESULT 12

US-10-060-311-1
; Sequence 1, Application US/10060311
; Patent No. 6713295
; GENERAL INFORMATION:
; APPLICANT: WEBSTER, Marion et al.
; TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL001175DIV
; CURRENT APPLICATION NUMBER: US/10/060,311
; CURRENT FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1413
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-060-311-1

Query Match 65.9%; Score 1128.8; DB 4; Length 1413;
Best Local Similarity 85.4%; Pred. No. 0;
Matches 1393; Conservative 0; Mismatches 12; Indels 227; Gaps 3;

Qy 1 ATCGCAATGCACAGAGATGACTCTGAAATGGAGCTTCAGTTCTTCTGCTGATACATCTCCA 60
Db 7 ATCACATTGCACAGGATGACTCTGAAATGGAGCTTCAGTTCTTCTGCTGATACATCT-CA 65
Qy 61 GTTGTACTTTAGCTCTGGAGTTTGGGAAAGTGTGTTGGGCGCGAGAAATACAGCC 120
Db 66 GTTGTACTTTAGCTCTGGAGTTTGGGAAAGTGTGTTGGGCGCGAGAAATACAGCC 125
Qy 121 ATTGGATGAATATGAAGACAAATCCTGAAAGAGCTTGTTCAGAGAGGTTCATGAGGTGACTG 180
Db 126 ATTGGATGAATATGAAGACAAATCCTGAAAGAGCTTGTTCAGAGAGGTTCATGAGGTGACTG 185
Qy 181 TACTGCACTCTTCAGCTTCCTATCTTTTGTATCCCAATGATGATCCACTCTTAAATTTG 240
Db 186 TACTGCACTCTTCAGCTTCCTATCTTTTGTATCCCAATGATGATCCACTCTTAAATTTG 245
Qy 241 AAGTTTATCTACATCTTTTAACTTAAACATGAAATTTGAGAAATATCATCTGCAACAGGTTA 300
Db 246 AAGTTTATCTACATCTTTTAACTTAAACATGAAATTTGAGAAATATCATCTGCAACAGGTTA 305
Qy 301 AGAGATGGTCAGACATTCGAAAGAGTACGCTTTTGGTTATATTTTTCACAAGAAACAAGAAA 360
Db 306 AGAGATGGTCAGACATTCGAAAGAGTACGCTTTTGGTTATATTTTTCACAAGAAACAAGAAA 365
Qy 361 TCTGTGGGAATTTATGACATATTTAGAAACTTCTGTAAGATGTAGTTTCAAAATAAGA 420
Db 366 TCTGTGGGAATTTATGACATATTTAGAAACTTCTGTAAGATGTAGTTTCAAAATAAGA 425

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QY 421 AAGTTATGAAAAAATAACAAGAGTCAAGATTGACATCGTTTTTGGCAGATGCTGTTTTTC 480
Db 426 AAGTTATGAAAAAATAACAAGAGTAAAGATTGACATCGTTTTTGGCAGATGCTGTTTTTC 485
QY 481 CCTGTGTGAGCTGCTGCTGCTGCTACTTAAACATACAGGTTTGTGTACAGTCTCGCTTTA 540
Db 486 CCTGTGTGAGCTGCTGCTGCTGCTACTTAAACATAC----- 521
QY 541 CTCCTGGCTACACAATTGAAAGGCACAGTGGAGGACTGATTTTCCCTCCTTCTACATAC 600
Db 522 ----- 521
QY 601 CTATTGTTATGTCAAAAATTAAAGTGATCAATGACTTTTCATGGAGAGGGTAAAAAATATGA 660
Db 522 ----- 521
QY 661 TCTATGTGCTTTATTTTGACTTTTGGTTCCAAATGCTGTGATATGAAGAAGTGGGATCAGT 720
Db 522 ----- 521
QY 721 TTTACAGTGAAGTTTTAGGAAGACCCACTACCTTATTTGAGACAATCGGAAAAAGCTGACA 780
Db 522 -----GACCCACTACCTTATTTTGAGACAATCGGAAAAAGCTGACA 560
QY 781 TATGGCTTATCGNAACCTCCTGGAGTTTTCNAATTTCTCTCATCCATTTCTTACCAACGTTG 840
Db 561 TATGGCTTATCGNAACCCCTGGAGTTTTCNAATTTCTCTCATCCATTTCTTACCAACGTTG 620
QY 841 ATTTTGTGGAGGATTCACCTGGCAAACTCGCCAAACCTCTACCTTAAGGAAATGGAGGAG 900
Db 621 ATTTTGTGGAGGATTCACCT-GCAAACTCGCCAAACCTCTACCTTAAGGAAATGGAGGAG 679
QY 901 TTTGTACAGAGCTCTGAGAAAAATGGTGTGTGTGTTTTCTCTGGGGTCAGTGATAAGT 960
Db 680 TTTGTACAGAGCTCTGAGAAAAATGGTGTGTGTTTTCTCTGGGGTCAGTGATAAGT 739
QY 961 AACATGACAGAGAAAGGGGCAATGTAATTTGCAACAGCCCTTGGCAAGATCCCAAAAAG 1020
Db 740 AACATGACAGAGAAAGGGGCAATGTAATTTGCAACAGCCCTTGGCAGGATCCCAAAAAG 799
QY 1021 GTTCTGTGGAGATTGATGGGAATAAACACAGATGCCCTTAGGTCTCAATACTCGGCTGTAT 1080
Db 800 GTTCTGTGGAGATTGAGGGGAATAAACACAGATGCCCTTAGGTCTCAATACTCGGCTGTAC 859
QY 1081 AAGTGGATACCCCAAGATGACCTTCTAGGTCTATCCAAAAACACAGAGCTTTTATAACTCAT 1140
Db 860 AAGTGGATACCCCAAGATGACCTTCTAGGTCTATCCAAAAACACAGAGCTTTTATAACTCAT 919
QY 1141 GGTGGAGCCAAATGGCATCTATAGGGAATCTACCATGGGATCCCTATGGTGGGATTTCCA 1200
Db 920 GGTGGAGCCAAATGGCATCTATAGGGAATCTACCATGGGATCCCTATGGTGGGATTTCCA 979
QY 1201 TTGTTTTGGGATCAACTGTATACATTGCTCACATGAAGGCCAAGGGAGCAGCTGTGTAGA 1260
Db 980 TTGTTTTGGATCAACTGTATACATTGCTCACATGAAGGCCAAGGGAGCAGCTGTGTAGA 1039
QY 1261 TTGGACTTCAACAAATGTGAGTACAGACCTGCTGAATGCACCTGAAGACAGTAATTAAT 1320
Db 1040 TTGGACTTCAACAAATGTGAGTACAGACCTGCTGAATGCACCTGAAGACAGTAATTAAT 1099
QY 1321 GATCCCTTTATATAAGAGAATATATGAAATTTATCAAGAAATTTCAACATGATCAACCGTA 1380
Db 1100 GATCCCTTTATATAAGAGAATATATGAAATTTATCAAGAAATTTCAACATGATCAACCGTA 1159
QY 1381 AAGCCCTCGGATCGAGCAGTCTTCTGGATTGAAATTTGTCATGCCCAACAAAGGAGCCAAA 1440
Db 1160 AAGCCCTCGGATCGAGCAGTCTTCTGGATTGAAATTTGTCATGCCCAACAAAGGAGCCAAA 1219
QY 1441 CACCTCGAGTTGAGGCCCATGACCTCACCTGGTTCCAGTACCACCTCTTTGGATGTGATT 1500
Db 1220 CACCTCGAGTTGAGGCCCATGACCTCACCTGGTTCCAGTACCACCTCTTTGGATGTGATT 1279
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QY 1501 GGGTTTCTGCTGGCCTGTGTGGCAACTGTGATATTTATCATCACAAGTTTTTGTCTGTTT 1560
Db 1280 GGGTTTCTGCTGGCCTGTGTGGCAACTGTGATATTTATCATCACAAGTTTTTGTCTGTTT 1339
QY 1561 TGTTCCTGGAAGTTTGTAGAAAAGGGAAGGAAAGAGAGATTAGTTATGCTGACACA 1620
Db 1340 TGTTCCTGGAAGTTTGTAGAAAAGGGAAGGAAAGAGATTAGTTATGCTGACACA 1399
QY 1621 TTTGAAGCTGGA 1632
Db 1400 TTTGAAGCTGAA 1411

RESULT 13
US-09-949-016-2735
; Sequence 2735, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2735
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2735
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Query Match 55.0%; Score 941.8; DB 4; Length 1323;
Best Local Similarity 83.6%; Pred. No. 1e-266;
Matches 1104; Conservative 0; Mismatches 212; Indels 5; Gaps 3;

QY 11 ACCAGATGACTCTGAAATGGACTTCAGTTCTTCTGCTGATACATCTCCAGTTGTTACTT 70
Db 5 ACCAGATGCTCTGAAATGGAGCTCAGTCTTTCTGCTGATACAGCT-CAGTTGTTACTT 63
QY 71 TACTCTGGAGTTGTGGAAGAGTGTGTTGGCCGCAAGATACAGCCATTGCGATGAA 130
Db 64 TACTCTGGAGTTGTGGAAGAGTGTGTTGGCCGCAAGATACAGCCATTGCGATGAA 123
QY 131 TATGAAGACAATCCTGAAAGAGCTTTGTTTCAGAGAGTTCATGAGGTGACTGTACTGGCATC 190
Db 124 TATGAAGACAATCCTGAAAGAGCTTTGTTTCAGAGAGTTCATGAGGTGACTGTACTGGCATC 183
QY 191 TTCAAGTTTCAATCTTTTTCATCCCAATGATGATCCACTCTTAAATTTGAAGTTTATCC 250
Db 184 TTCGGCTTCTACTCTTGTCAATGCCAGTAAATCATCTGCTATTAAATTTAGAAGTTTATCC 243
QY 251 TACATCTTTAACTAAAACTGAAATTTTGAGAAATATCATCATCAACAGGTTTAAAGAGATGG-- 308
Db 244 TACATCTTTAACTAAAAATTTTGGAGAAATCTCTCTCGAAATTTCTCGATAGATGAT 303
QY 309 -TCAGACATTCGAAAAAGATAGCTTTTGGTTATATTTTTCACAAGAACAGAAATCCTGTG 367
Db 304 ATATGGTTTCAAAAAATACATTTTGGTCAATTTTTCACAAATTTACAAGAAATTTGTTG 363
QY 368 GGAATTTATGACATATTTTGAAGAACTTCTGTAAGATGTTAGTTTCAATTAAGAAAGTTAT 427
Db 364 GGAATTTATGACTACAGTAACAAGCTCTGTAAGATGTCAGTTTGAATTAAGAAATTTAT 423
QY 428 GAAAAAATACAGAGTCAAGATTTTGGACATCGTTTTTGGCAGATGCTGTTTTTCCCTCTGG 487
Db 424 GATGAATAACAGAGTCAAGATTTTGGATGTCTTCTGGCAGATGCCCTTAAATCCCTCTGG 483
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QY 488 TGAGCTGCTGGCGCTACTTAACATACGTTTGTGTACAGTCTCGCTTTTACTCTGTG 547
Db 484 TGAGCTACTGGCTGAACATATTTAAACATACCCCTTCTGTACAGTCTTCGATTTCTGTGG 543
QY 548 CTACACAATTTGAAAGGCACAGTGGAGGACTGATTTTCCCTCCTTCTACATACCTATTGT 607
Db 544 CTACACAATTTGAGAAGAAATGGTGGAGATTTCTGTTCCCTCCTTCTATGTACCTGTGT 603
QY 608 TATGTCAAAATTAAGTGATCAAAATGACTTTTCATGGAGAGGGTAAAAATATGATCTATGT 667
Db 604 TATGTCAGAATTAAGTGATCAAAATGATTTTCATGGAGAGGATAAAAATATGATACATAT 663
QY 668 GCCTTTATTTTGACTTTTGGTTCCAAATGCTGTATGAAAGCTGGGATCAGTTTTACAG 727
Db 664 GCCTTTATTTTGACTTTTGGTTTCAAAATTTATGATCTGAAAGAGTGGGACCGATTTATAG 723
QY 728 TGAAGTTTTAGGAAGACCCACTACCTTTATTTGAGACAATGGGAAAAGCTGACATATGGCT 787
Db 724 TGAAGTTCTAGGAAGACCCACTACATTTATTTGAGACAATGGGAAAAGCTGAAATGGCT 783
QY 788 TATGCGAACTCTGGAGTTTTCAATTTTCTCATCATCTTTACCAAAAGTTGATTTGT 847
Db 784 CATTCGAAACCTATTGGGATTTTGAATTTCTCTGCCCAATCTTACCAAAATGTTGATTTGT 843
QY 848 TGGAGGATTCACCTGGCAAACTGCCAAACCCCTACTTAAGGAAATGGAGGAGTTGTAC 907
Db 844 TGGAGGACTTCACT - GTAACCAACGACCAACCCCTGCTTAAGGAAATGGAAAGTTGTGC 902
QY 908 AGAGCTCTGGAGAAAATGGTGTGTGTGTGTCTCTGGGGTCAAGTGAATGAACATGA 967
Db 903 AGAGCTCTGGAGAAAATGGTGTGTGTGTGTCTCTGGGGTCAAGTGAATGAACATGT 962
QY 968 CAGCAGAAAGGGCCAAATGTAATTTGCAACAGCCCTTGGCAAGATCCCAAAAGGTTCTGT 1027
Db 963 CAGAAGAAAGTGCACATGATTTGCATCAGCCCTTGCACAGATCCCAAAAGGTTCTAT 1022
QY 1028 GGAGATTTGATGGAAATAAACACAGATGCCCTTAGTCTCAATACTCGGCTGTATAAGTGA 1087
Db 1023 GGAGATTTGATGGCAAGACCAATACTTTTAGTTTCCAATATCTGACTGTACAGTGT 1082
QY 1088 TACCCAGAAATGACCTTTCTAGGTATCCAAAACCAAGAGCTTTTAACTCATGGTGGAG 1147
Db 1083 TACCCAGAAATGACCTTTCTGGTATCCCAAAACCAAGCTTTTAACTCATGGTGGAA 1142
QY 1148 CCAATGGCATCTATGAGGCAATCTACCATGGATCCCTATGTTGGGCAATTCGATTTT 1207
Db 1143 CCAATGGCATCTATGAGGCAATCTACCATGGATCCCTATGTTGGGCAATTCCTTGTG 1202
QY 1208 GGGATCAACCTGATAACATTTGCTCACATGAAGGCCAAGGGAGCAGCTGTTAGATTTGACT 1267
Db 1203 CGGATCAACATGATAACATTTGCTCACATGAAGGCCAAGGGAGCAGCCCTCAGTGTGACA 1262
QY 1268 TCAACACAATSTCGAGTACAGACCTGCTGAATGCATGGAAGACAGATTAATGATCCTT 1327
Db 1263 TCAGGACCATGTCAAGTAGAGATTTGCTCAATGCATTTGAAGTCAGTCATTAAATGACCTG 1322
QY 1328 T 1328
Db 1323 T 1323
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RESULT 14

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US-09-949-016-2736
; Sequence 2736, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
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; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2736
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2736
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Query Match 55.0%; Score 941.8; DB 4; Length 1323;
Best Local Similarity 83.6%; Pred. No. 1e-266;
Matches 1104; Conservative 0; Mismatches 212; Indels 5; Gaps 3;

QY 11 ACCAGGATGACTCTGAAATGGACTTCAGTTCTTCTGCTGATACATCTCCAGTTGTACTT 70
Db 5 ACCAGGATGCTCTGAAATGGAGCTCAGTCTTCTGCTGATACAGCT - CAGTTGTACTT 63
QY 71 TAGCTCTGGAGTTGTGGAAAAGTGTCTGTGTGGGCCGAGAAATACAGCCATTTGGATGAA 130
Db 64 TAGCTCTGGAAGCTGTGGAAAAGTGTAGTGTGGCCACAGAAATACAGCCATTTGGATGAA 123
QY 131 TATGAAGACAATCCTCGAAAAGCTTCTTCAGAGAGGTCATGAGGTGACTGTACTGCGATC 190
Db 124 TATGAAGACAATCCTCGAAAAGCTTGTTCAGAGGGGTGATGAGGTGACTGTGTGACATC 183
QY 191 TTCAAGCTTCCATTTCTTTTGTATCCCAATGATGATCCACTCTTTAAATTTTGAAGTTTATCC 250
Db 184 TTCCGCTTCTACTCTTGTCAATGCCAGTAAATCATCTGCTATTATAATAGAAAGTTATCC 243
QY 251 TACATCTTTAACTAAACCTGAAATTTGAGAAATATCATCATGCAACAGGTTAAGAGATGG-- 308
Db 244 TACATCTTTAACTAAACCTGAAATTTTGAAGATTTCTTCTGAAAATTTCTCGATAGATGGAT 303
QY 309 -TCAGACATTCGAAAAGATAGCTTTTGGTTTATATTTTCAACAAGAAACAAGAAATCCCTGTG 367
Db 304 ATATGTTGTTTCAAAAATACATTTTGGTTCATATTTTTCACAATTTACAAGAAATTTGTTG 363
QY 368 GGAATTTATATGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAAAATGAAGAAGTTAT 427
Db 364 GGAATTTATGACTACAGTAAACAAGCTCTGTAAAGATGCAAGTTTGAATGAAGAACTTAT 423
QY 428 GAAAAAATACAGAGTCAAGATTTGACATCGTTTTTGCAGATGCTGTTTTTCCCTGTGG 487
Db 424 GATGAAACTACAGAGTCAAGATTTGATGTCATTTCTGGCAGATGCCCCCTTAATCCCTGTGG 483
QY 488 TGAGCTGCTGGCTGCGCTACTTAACATACGTTTGTGTACAGTCTCGCTTTTACTCTCTGG 547
Db 484 TGAGCTTACTGGCTGAACTATTTAAACATACCCCTTCTGTACAGTCTTCGATTTCTCTGTGG 543
QY 548 CTACACAATTTGAAAGGCACAGTGGAGGACTGATTTTCCCTCCTTCTACATACCTATTGT 607
Db 544 CTACACAATTTGAGAAGAAATGGTGGAGGATTTCTGTTCCCTCCTTCTATGTACCTGTGT 603
QY 608 TATGTCAAAATTAAGTGATCAAAATGACTTTTCATGGAGAGGTAATAAATATGATCTATGT 667
Db 604 TATGTCAGAATTAAGTGATCAAAATGATTTTTCATGGAGAGGATAAAAATATGATACATAT 663
QY 668 GCCTTTATTTTGACTTTTGGTTTCCAAATGCTGTATGAAAGAGTGGGATCAGTTTTTACAG 727
Db 664 GCCTTTATTTTGACTTTTGGTTTCAAAATTTATGATCTGAAAGAGTGGGACCGATTTATAG 723
QY 728 TGAAGTTTTAGGAAGACCCACTACCTTTATTTGAGACAATGGGAAAAGCTGACATATGGCT 787
Db 724 TGAAGTTCTAGGAAGACCCACTACATTTATTTGAGACAATGGGAAAAGCTGAAATGGCT 783
QY 788 TATGCGAAACTCTGGAGTTTTCAATTTTCTCATCATCTTTACCAAAAGTTGATTTGT 847
Db 784 CATTCGAAACCTATTGGGATTTTGAATTTCTCTGCCCAATCTTACCAAAATGTTGATTTGT 843
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Qy 848 TGGAGGATTCACCTGGGCAAACTGCCAAAACCCCTACCTAAGGAAATGGAGAGTTTGTAC 907
Db 844 TGGAGGACTTCACCT-GTAAACACAGCCAAACCCCTGCTTAAAGGAAATGGAGAGTTTGTGC 902
Qy 908 AGAGCTCTGGAGAAATGGTGTCTGGTGTCTCTCTGGGGTCAAGTAAAGTAAACATGA 967
Db 903 AGAGCTCTGGAGAAATGGTAAATGGTGTCTCTCTGGGGTCAAGTAAAGTAAACATGT 962
Qy 968 CAGCAGAAAGGCGCAATGTAAATTCACACAGCCCTTGCCCAAGATCCCAAAAGGTTCTGT 1027
Db 963 CAGAAGAAAGTGCCCAACATGATTCATCAGCCCTTGCCCAAGATCCCAAAAGGTTCTAT 1022
Qy 1028 GGAGATTGTAGGAAATAAACCAAGATGCTTAGTCTCAATATCTCGGCTGTAAAGTGA 1087
Db 1023 GGAGATTGTAGGCAAGAGCAAAATATCTTAGGTTCCAAATCTCGACTGTACAAGTGT 1082
Qy 1088 TACCCCAAGATGACCTTCTAGTGCATCCAAAACCCAGAGCTTTTATAACTCATGCTGGAG 1147
Db 1083 TACCCCAAGATGACCTTCTTGGTCAATCCAAAACCAAGCTTTTATAACTCATGCTGGAA 1142
Qy 1148 CCAATGGCATCTATGAGCGAATCTACCATGGATCCCTATGTTGGGCAATCCATTTGTTT 1207
Db 1143 CCAATGGCATCTATGAGCGATCTACCATGGATCCCTATGTTGGGCAATCCCTTTGTTG 1202
Qy 1208 GGGATCAACCTGTAAATGCTCACAATGAAGGCCAAGGAGGAGAGCTGTAGATTGACT 1267
Db 1203 GGGATCAACATGATAACATTTGCTCACAATGAAGGCCAAGGAGGAGAGCTCAGTGTGACA 1262
Qy 1268 TCACACAATGTCAGTACAGACTGCTGAATGACCTGAGACAGTAAATTAATGATCCTT 1327
Db 1263 TCAGGACCATGTCAAGTAGAGATTGCTCAATGCAATTTGAAGTCAAGTCAATTAAGACCTG 1322
Qy 1328 T 1328
Db 1323 T 1323

RESULT 15
US-09-796-594-241
; Sequence 241, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 241
; LENGTH: 2966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 997080.1
US-09-796-594-241

Query Match 43.4%; Score 742.8; DB 4; Length 2966;
Best Local Similarity 68.3%; Pred. No. 6.7e-208;
Matches 1056; Conservative 0; Mismatches 483; Indels 7; Gaps 2;

Qy 70 TTAGCTCTGGAGTTGTGGAAGTGTCTGGTGTGGGCGGAGAAATACAGCCATTGGATGA 129
Db 82 TTGGCTGTGGATTCTGTGGGAAGTCTCTGGTGTGGGCTGTGACATGAGCCATTGGCTTA 141
Qy 130 ATATGAACACATCTGAAAGAGCTTGTTCAGAGAGCTCATGAGTCACTGCTACTGGCAT 189
Db 142 ATGTCAGGCTCAATCTAGAGAGCTCATAGTGAGAGGCCCATGAGGTAAACAGTATTGACTC 201
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Qy 190 CTTACAGCTTCATTTCTTTTGTATCCCAATGATGCATCCACTCTTTAAATTTGAAGTTTATC 249
Db 202 ACTCAAAAGCCCTTCGTTAAATTTGACTACAGAGAGCCCTTCTGCATTTGAAATTTGAGTGGTCC 261
Qy 250 CTACATCTTTAACTTAACTTGAATTTTGAAGATATCATCATCAACAGCTTTAAGAGATGGT 309
Db 262 ATATGCCACAGGACAGAGAGAAATGAAATATTTTGTGACCTAGCTCTGA----- 315
Qy 310 CAGACATTTCAAAAGATAGCTTTTGTGTATATTTTTCACAAGAACAAAGAAATCTGTGGG 369
Db 316 ATGCTTTGCCAGGCTTATCAACCTGGCAATCAGTTATAAAATTTAAATGATTTTTTGTGTG 375
Qy 370 AATTATATGACATATTTAGAAAATTTCTGTAAAGATGTAGTTTCAAATAAGAAAATTTATGA 429
Db 376 AAATAAGAGGAACTTTAAAAAATGATGTGTGAGAGCTTTATCTACAATCAGACGCTTATGA 435
Qy 430 AAAAATCTACAAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTGTTTTTCCCTGCTGGTG 489
Db 436 AGAAGCTTACAGGAAACCAACTACGATGTAATGCTTTATAGACCTGTGATTTCCCTGTGGAG 495
Qy 490 AGCTGTGGCTGCGCTACTTTAAACATACGGTTTGTGTACAGTCTCCGCTTTTACTCCTGGCT 549
Db 496 ACCTGATGGCTGAGTTGCTTTGCACTCCCTTTTGTGCTCACACTTAGAATTTCTGTAGGAG 555
Qy 550 ACACAAATTGAAAGGACAGTGGAGGACTGATTTTCCCTCTCTTCTACATACCTATTGTTA 609
Db 556 GCAATATGGAGCGAAGCTGTGGGAAACTTCCAGCTCCACTTTCTCTATGTACCTGTGCTA 615
Qy 610 TGTCAAAATTAAGTGTATCAATGACATTTTTCATGGAGAGGTAAATAATATGATCTATGTC 669
Db 616 TGACAGGACTTAAACAGACAGAAATGACCTTTCTGGAAGAGTAAATAATTTCAATGCTTTCA 675
Qy 670 TTTATTTTGTACTTTTGGTTCCAAATGTCTGATATGAAGAAAGTGGGATTCAGTTTACAGTG 729
Db 676 TTTTGTTCACCTTCTGGATTACAGATTACACTATCATTTTTTGGGAAGAGTTTTTATAGTA 735
Qy 730 AAGTTTGTAGGAAGACCCACTACCTTTATTTGAGACAAATGGGAAAGCTGACATATGGCTTA 789
Db 736 AGGCATTTAGGAAGGCCCACTACATTTATGTGAGAGCTGTGGGAAAGCTGAGATATGGCTAA 795
Qy 790 TGGGAAACTCTCTGGAGTTTTCATTTTCCCTCATCTCATTTTACCACAAAGCTTGATTTCTTG 849
Db 796 TACGACATATTTGGGATTTTGAATTTTCCCTCAACATACCAACCTAACTTTGAGTTGTTG 855
Qy 850 GAGGATTCACCTGCGCAACCTGCAAAACCCCTACCTAAGGAAATGGAGAGTTTGTACAG 909
Db 856 GAGGATTGCACT-GTAAACCTGCCAAAGCTTTGCCTAAGGAAATGGAAATTTTGTCCAG 914
Qy 910 AGCTCTGGAGAAATGGTGTGTGGTGTGTTTTCTCTGGGGTCAAGTAAAGTAAACATGACA 969
Db 915 AGTTCAAGGGAAGATGGTATTTGGTGTGTTTTCTCTGGGGTCACTGTTTCAAAATGTTTACA 974
Qy 970 GCAGAAAGGCCCAATGTAATTGCAACAGCCCTTTGCCAAGATCCCAAAAGGTTCTGTGG 1029
Db 975 GAAGAAAGGCTAATATCATTTGCTTCCAGCCCTTTGCCAGATCCCAAGAGGTTTATGG 1034
Qy 1030 AGATTTTGTATGGGAATAAAACAGATGCTTATAGTCTCAATACTCGGCTGTATAAGTGATA 1089
Db 1035 AGGTACAAAGGAAATAAAACCATCCACATTAAGGAGCCAACTACTCGGCTGTATGATTGATA 1094
Qy 1090 CCCAGAAATGACCTTTAGGTCATCTCCAAAACCCAGAGCTTTTATAACTCATGTGGAGCC 1149
Db 1095 CCCAGAAATGATCTTCTGTGTCATCCCAAAACCAAAAGCTTTTATCACTCATGTGGTGAATG 1154
Qy 1150 AATGGCATCTATGAGGCAATCTACCATGGATCCCTATGCTGGGCTTCCATTTGTTTGG 1209
Db 1155 AATGGGATCTATGAAGCTATTTACCATGGGGTCCCTATGTTGGAGTTCCTCATATTTGGT 1214
Qy 1210 GATCAACCTGATAACTGCTCATGAGGCCAAGGAGCAGCTGTTAGATTGACATTC 1269
Db 1215 GATCAGCTTGATTAACATAGCTCAGTCAATGAGGCCAAGGAGCAGCTGTAGAAATAAATTC 1274
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Qy	1270	AACACAAATGTCGAGTACAGACCTGCTGAATGCACTGAAGACAGTAATTAATGATCCTTTA	1329
Db	1275	AAACTATGACAAGCGAAGATTTACTGAGGCTTTGAGAACAGTCATTACCGATTCTCT	1334
Qy	1330	TATAAAGAGAAATATTATGAAATTCAGAAATTCACATGATCAACAGTAAAGCCCTG	1389
Db	1335	TATAAAGAGAAATGCTATGAGATTATCAAGAAATTCACCATGATCAACCTGTAAGCCCTTA	1394
Qy	1390	GATCGAGCAGTCTTCTGGATTGAATTTGTCATGCCCCACAAAGGAGCCAAACACCTTCGA	1449
Db	1395	GATCGAGCAGTCTTCTGGATCGAGTTGTCTATGGCCACAAAGGAGCCACCTGCGA	1454
Qy	1450	GTTGAGCCCATGACCTCACTGGTCCAGTACCACTCTTTGGATGTGATGGGTTCTG	1509
Db	1455	TCAGCTGCCCATGACCTCACTGGTCCAGCACTACTCTATAGATGTGATGGGTTCTG	1514
Qy	1510	CTGCCCTGTGTGGCAACTGTGATATTATCATCACAAGTTTTGTCTGTTTCTTCTGG	1569
Db	1515	CTGACCTGTGTGGCAACTGTATATTCTTGTTCACAAATGTTTTATTTCTCTGTCAA	1574
Qy	1570	AAGTTTGCTAGAAAAGGGAAGGAAAGAGATTAGTTATGTC	1615
Db	1575	AAATTTAATAAACTAGAAAGATAGAAAGAGGGAAATAGATCTTTC	1620

Search completed: October 11, 2005, 06:20:53
Job time : 328 secs